EPSON

INK JET PRINTER

STYLUS® PHOTO R800

User's Guide

Copyright Notice

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SEIKO EPSON CORPORATION. The information contained herein is designed only for use with this Epson printer. Epson is not responsible for any use of this information as applied to other printers.

Neither SEIKO EPSON CORPORATION nor its affiliates shall be liable to the purchaser of this product or third parties for damages, losses, costs, or expenses incurred by purchaser or third parties as a result of: accident, misuse, or abuse of this product or unauthorized modifications, repairs, or alterations to this product, or (excluding the U.S.) failure to strictly comply with SEIKO EPSON CORPORATION's operating and maintenance instructions.

SEIKO EPSON CORPORATION shall not be liable for any damages or problems arising from the use of any options or any consumable products other than those designated as Original Epson Products or Epson Approved Products by SEIKO EPSON CORPORATION.

A Note Concerning Responsible Use of Copyrighted Materials

Ink jet printers, digital cameras, and scanners, like photocopiers and conventional cameras, can be misused by improper copying and reprinting of copyrighted material. While some countries' laws permit limited copying of copyrighted material in certain circumstances, those circumstances may not be as broad as some people assume. Epson encourages each user to be responsible and respectful of the copyright laws when using ink jet printers, digital cameras, and scanners.

Trademarks

Epson, Epson Stylus, and MicroWeave are registered trademarks and PRINT Image Matching is a trademark of SEIKO EPSON CORPORATION.

UltraChrome, Hi-Gloss, BorderFree, PremierArt, PhotoEnhance, and Epson Software are trademarks, and Epson PhotoCenter, Epson Store, SoundAdvice, and Epson Connection are service marks of Epson America, Inc.

General Notice: Other product names used herein are for identification purposes only and may be trademarks of their respective owners. Epson disclaims any and all rights in those marks.

The ENERGY STAR emblem does not represent EPA endorsement of any product or service.

© 2003 Epson America, Inc. 12/03

CPD-17409
4047569-00

Contents

Welcome! 7

PRINT Image Matching and Exif Print 8

About PRINT Image Matching 8

About Exif Print 9

About Your Software 9

About Your Documentation 10

Viewing the On-screen Reference Guide 11

Printer Buttons and Lights 12

Loading Paper 13

Loading Paper in the Sheet Feeder 13

Loading Special Paper 14

Loading Envelopes 15

Loading Roll Paper 16

Printing From Start to Finish 19

Basic Printing in Windows 20

Selecting the Settings You Use Most Often 22

Customizing Your Windows Print Settings 23

Basic Printing With Macintosh OS X 25

Basic Printing With Macintosh OS 8.6 to 9.x 29

Customizing Your Macintosh Print Settings 31

Selecting the Correct Media Type 34

Printing Special Photos 35

Printing on Roll Paper 35

Selecting Roll Paper Print Settings 36

Removing Your Printed Photos 41

Removing and Storing Roll Paper 41

Using PRINT Image Matching 42

Using Film Factory 42

Using the P.I.M. II Plug-in for Adobe Photoshop 42

Printing Borderless Cut Sheets 43

Windows 44

Macintosh OS X 45

Macintosh 8.6 to 9.x 47

Managing Color with Profiles 48

Printing With a Color Profile 48

Solving Color Management Problems 56

Printing a Custom Profile Test Target 56

Creating a Custom Profile 60

Printing on CDs and DVDs 61

Cleaning the Roller 62

Inserting a CD or DVD 63

Designing CDs and DVDs 65

Printing Your Design 67

Windows 67

Macintosh OS X 68

Macintosh 8.6 to 9.x 69

Adjusting the Print Position 70

Windows 70

Macintosh OS X 71

Macintosh 8.6 to 9.x 72

Adjusting the Print Density **74**
Windows **74**
Macintosh OS X **75**
Macintosh 8.6 to 9.x **76**

Maintaining Your Printer **77**

Cleaning the Print Head **77**
Automatically Checking and Cleaning the Print Head **78**
Running the Head Cleaning Utility **79**
Replacing an Ink Cartridge **80**
Checking the Ink Supply **81**
Purchasing Ink Cartridges **81**
Ink Cartridge Precautions **82**
Removing and Installing Ink Cartridges **82**
Aligning the Print Head **85**
Automatically Aligning the Print Head **85**
Manually Aligning the Print Head **86**
Cleaning the Printer **87**
Transporting the Printer **88**

Solving Problems 89
Printer Parts 90
Diagnosing Printer Problems 91
Running a Printer Check 92
Problems and Solutions 93
Setup and Software Installation Problems 93
Printer Problems 94
Quality Problems 95
Paper Problems 97
CD/DVD Problems 99
Miscellaneous Problems 99
Uninstalling and Reinstalling Printer Software 101
Where To Get Help 102

Requirements and Notices 103
Windows System Requirements 103
Macintosh System Requirements 103
Important Safety Instructions 104
Ink Cartridge Safety Instructions 105
Energy Star Compliance 105
FCC Compliance Statement 106
Declaration of Conformity 107
Epson America, Inc. Limited Warranty 107

Index 109

Welcome!

Your Epson Stylus® Photo R800 gives you fast, photo-quality, archival prints on a wide variety of glossy and matte papers.

Your outstanding printouts result from these advanced features:

- Eight individually-replaceable Epson ink cartridges let you print at up to 5760 × 1440 dpi (dots per inch).
- Large gamut, pigment-based, Epson® UltraChrome™ Hi-Gloss™ inks and compatible papers deliver brilliant, long-lasting, water-resistant prints.
- Unique gloss optimizer cartridge provides a uniform gloss coat on glossy papers so your prints look like they came from a photo lab
- Ink droplets as small as 1.5 picoliters give you finer detail and beautiful highlights.
- Photo Black and Matte Black ink cartridges for optimum print density on many types of paper without switching cartridges.
- Versatile paper handling lets you create BorderFree,™ frame-ready prints in popular photo sizes, such as 4 × 6, 5 × 7, and 8 × 10.
- Direct printing on the surface of ink-jet printable CDs and DVDs for expressive disc labels.
- Roll paper feeder enables continuous printing of multiple photos or panoramics.
- Automatic print head cleaning and alignment utilities analyze your print quality and improve it quickly and easily.
- Fast connections through the Hi-Speed USB 2.0 and IEEE 1394 (FireWire®) ports

  Note: To achieve the highest USB speed, your computer must also have a Hi-Speed USB 2.0 port or card connected to the printer with a Hi-Speed USB 2.0 cable.

PRINT Image Matching and Exif Print

Your EPSON Stylus Photo R800 printer supports these innovative digital image formats to give you the best photo prints possible:

- PRINT Image Matching™ (both P.I.M. and P.I.M. II)
- Exif Print

About PRINT Image Matching

Epson's revolutionary PRINT Image Matching (P.I.M.) technology lets your digital camera and printer work together automatically to produce the best prints possible. Digital camera manufacturers that support PRINT Image Matching include Epson, Casio,® Konica,® Kyocera,® Minolta,® Nikon,® Olympus,® Pentax,® Ricoh,® Sanyo,® Sony,® and Toshiba.® Check with your camera's manufacturer or visit www.printimagematching.com to find out if PRINT Image Matching technology is included with your camera.

With PRINT Image Matching, the digital camera manufacturer can set specific printing options for each camera model. These options include:

- contrast, sharpness, and brightness
- gamma level, color space, color saturation, and noise reduction
- shadow point, highlight point, and color balance

The camera saves this information in each JPEG or TIFF image file. Your printer—along with Epson Software™ Film Factory™ or the P.I.M. II Plug-in for Adobe® Photoshop® (included with your printer)—uses the information to ensure the most accurate image reproduction.

But don't worry if your camera doesn't include PRINT Image Matching technology—your EPSON Stylus Photo R800 gives great photo printing results, just without the adjustments P.I.M.-enabled cameras may add.

About Exif Print

The Exif (Exchangeable Image File) Print format includes information about your digital camera settings in JPEG/TIFF files so your printer and application can use them to create accurate print settings. Most digital cameras store Exif Print information such as shutter speed, metering, flash, and exposure settings, resolution, and lens use in the JPEG/TIFF image file. Your printer—along with Epson Software Film Factory and the P.I.M. II Plug-in for Adobe Photoshop—uses the information to ensure the most accurate image reproduction.

About Your Software

Your printer CD-ROM includes all the software you need for printing. See the *Start Here* sheet for installation instructions.

- **Your printer driver** runs your printer and lets you control how your documents look. You can't print without it.

  Tip: It's a good idea to check Epson's support web site periodically for free updates to your printer driver. Visit http://support.epson.com. Download instructions are posted for your convenience.

- **Your photo software** includes these great tools:

  Epson Software Film Factory is a photo management program that lets you organize, beautify, and print your photos in a flash. Supports PRINT Image Matching (P.I.M. I and II) and Exif Print.

  P.I.M. II Plug-in for Adobe Photoshop lets you retain PRINT Image Matching, P.I.M. II, and Exif Print image quality when you import JPEG or TIFF files from your P.I.M.-enabled digital camera. (Compatible with Photoshop 6.0 and 7.0, and Photoshop Elements 1.0 and 2.0.)

  Epson Print CD lets you print custom labels directly on ink-jet printable CDs and DVDs.

  Epson PhotoCenter[SM] is Epson's free photo-sharing web site where you can store, organize, and share your photos; print high-resolution photos straight from the web; and create free online postcards. Your printer software installer lets you add a link to Epson PhotoCenter on your desktop.

About Your Documentation

To set up your printer and install its software, see the *Start Here* sheet.

This book contains system requirements, important safety information, your warranty, and instructions on:

- Viewing the on-screen *Reference Guide*
- Loading all types of paper
- Printing with Windows® or on a Macintosh®
- Printing on CDs and DVDs
- Maintaining the printer
- Solving basic problems

Please follow these guidelines throughout:

Warnings must be followed carefully to avoid bodily injury.

Cautions must be observed to avoid damage to your equipment.

Notes contain important information about your printer.

Tips contain hints for better printing.

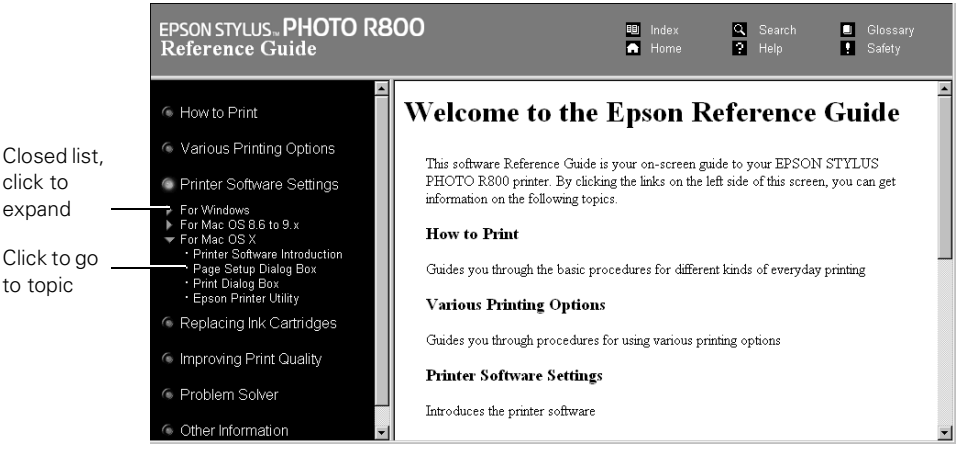
For more details about your printer, and for network setup instructions and technical specifications, see your on-screen *Reference Guide*, as described in the next section.

Viewing the On-screen Reference Guide

Follow the instructions on the *Start Here* sheet to install the on-screen *Reference Guide*, if you haven't already.

Note: You need a browser—such as Microsoft® Internet Explorer 4.0 or later, or Netscape® Navigator® 3.0 or later, or Safari™ 1.0—to view the manual. If you are using a different browser, the pages may not display correctly.

1. Double-click the SPR800 Reference Guide icon on your desktop.
2. Click a topic on the left to expand the table of contents.
3. Click on the topic you want to view.
   - Click right arrows ▶ to view subtopics, then click on a topic.
   - Click down arrows ▼ to close a subtopic list.


Closed list, click to expand
Click to go to topic
EPSON STYLUS PHOTO R800
Reference Guide
Index
Search
Glossary
Home
Help
Safety
How to Print
Various Printing Options
Printer Software Settings
For Windows
For Mac OS 8.6 to 9.x
For Mac OS X
Printer Software Introduction
Page Setup Dialog Box
Print Dialog Box
Epson Printer Utility
Replacing Ink Cartridges
Improving Print Quality
Problem Solver
Other Information
Welcome to the Epson Reference Guide
This software Reference Guide is your on-screen guide to your EPSON STYLUS PHOTO R800 printer. By clicking the links on the left side of this screen, you can get information on the following topics.
How to Print
Guides you through the basic procedures for different kinds of everyday printing
Various Printing Options
Guides you through procedures for using various printing options
Printer Software Settings
Introduces the printer software

Note: If you see an icon for a graphic when viewing your *Reference Guide* in Netscape Navigator, click the **Reload** button to load the graphic.

Printer Buttons and Lights

The tables below summarize the functions of the printer buttons and lights. See the instructions in your documentation for details on using the buttons. To diagnose problems indicated by the printer lights, see page 91.

Printer buttons

Button	Uses
⏻ power	Turns the printer on and off. Hold down the button until the Power light comes on or goes off.
paper	Loads or ejects paper. Resumes printing after a paper-out or multiple-sheet-feed error. Cancels a print job while printing.
ink	Moves the print head to the ink cartridge check position and the ink cartridge replacement position, and returns it to its home position. Cleans the print head. Hold down the button for three seconds when the red ink light is off.
roll paper	Prints a cutting guideline and feeds roll paper to the removal position after roll paper printing. Returns roll paper to the printing position after cutting. Reverses roll paper out of the printer when held down for 3 seconds.

Printer lights

Light	Meaning
⏻ power	On: printer is turned on. Flashing: printer is receiving a print job, printing, replacing or charging ink, cleaning the print head, or moving the output tray position.
paper out	On: printer is out of paper, multiple sheets fed, the wrong size sheet fed, or the CD/DVD tray is not in position. Flashing: paper or the CD/DVD tray are jammed, the output tray is out of position, paper isn't loaded for the currently selected paper path, or the printer cover is open.
ink (seven)	On: an ink cartridge is empty. Flashing: an ink cartridge is low on ink or the printer cover is open.

Loading Paper

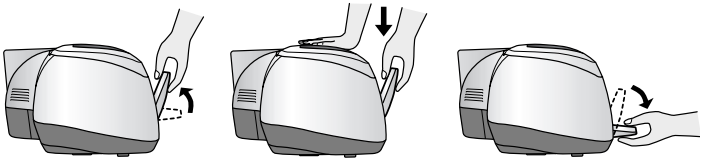
You can load a variety of paper types in your printer, as described in these sections:

- "Loading Paper in the Sheet Feeder" below
- "Loading Envelopes" on page 15
- "Loading Roll Paper" on page 16

For instructions on loading CDs or DVDs using the CD/DVD tray, see page 63.

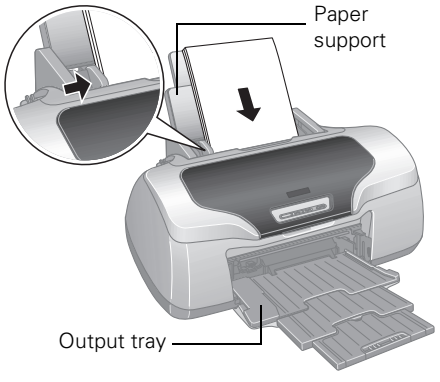
Loading Paper in the Sheet Feeder

1. Make sure the output tray is in the lower position. If it isn't, place one hand on the top of the printer, lift the tray, and ease it down into the lower position.



2. Open the paper support and pull up the support extension.
3. Pull out the output tray extensions.
4. Place your paper in the printer and slide it against the right side of the sheet feeder.
5. Adjust the left edge guide to fit lightly against the paper.

Also follow the loading guidelines on the next page.



Check the following as you load paper:

- Always load the short edge first, even for printing landscape-oriented documents.
- Load the printable side face up. It's usually whiter or brighter than the other side.
- Load letterhead or preprinted paper into the printer top edge first.
- Don't load paper above the arrow on the left edge guide.

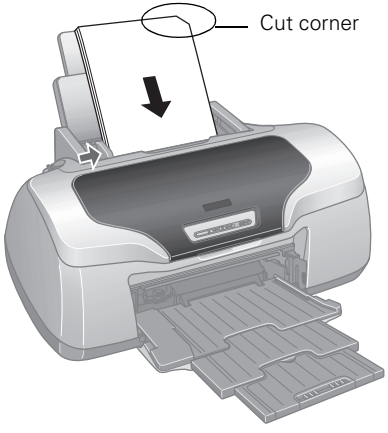
Loading Special Paper

Load Epson ink jet papers as follows:

Paper type	Loading capacity
Epson Enhanced Matte Paper Epson Matte Paper Heavyweight Epson Premium Glossy Photo Paper Epson Premium Semigloss Photo Paper Epson Premium Luster Photo Paper	20 sheets
Epson Photo Quality Ink Jet Paper	100 sheets
Epson Premium Bright White Paper	80 sheets
PremierArt™ Matte Scrapbook Photo Paper for Epson Epson Photo Quality Self Adhesive Sheets	1 sheet at a time
Epson Photo Quality Ink Jet Cards	50 sheets

If the special paper has a cut corner, load the paper so the cut corner is positioned as shown here.

Check the paper package for additional handling instructions.

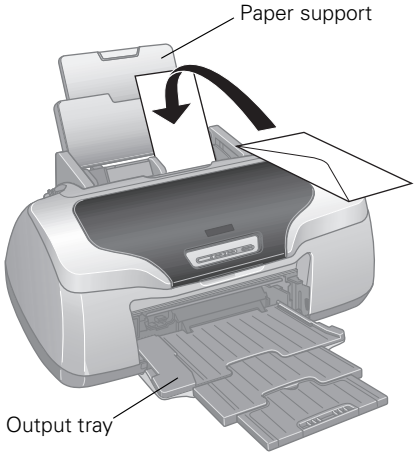


Loading Envelopes

You can load up to 10 envelopes at a time, as described below.

Tip: For best results, press each envelope flat before loading it, or load one envelope at a time.

1. Open the paper support and pull up the support extension
2. Open the output tray and its extensions. Make sure the tray is in the lower position.
3. Load envelopes short edge first as shown, with the flap side down and the flap edge on the left side.
4. Slide the left edge guide against the envelopes.
5. Choose these settings in your printer software:
   - Plain Paper as the Type (Windows) or Media Type (Macintosh) setting
   - The envelope size as the Size (Windows) or Paper Size (Macintosh) setting
   - Landscape as the Orientation setting



See page 20 (Windows), page 25 (Macintosh OS X), or page 29 (Macintosh OS 8.6 to 9.x) for instructions.

Note: If printing is smeared on your envelope or on other thick paper, select the Thick paper and envelopes checkbox in your printer software. See page 95 for instructions.

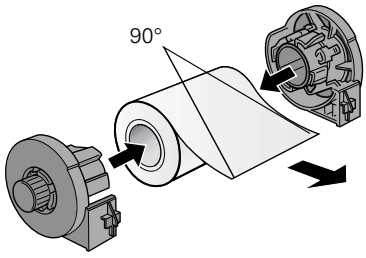
Loading Roll Paper

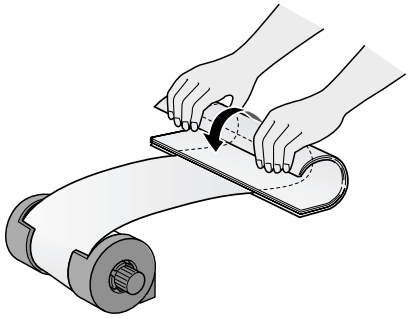
You can load 4-inch and 8.3-inch wide roll paper for printing multiple photos or panoramics, with or without borders.

> **Tip:** It's a good idea to check and make sure your ink cartridges are not low before loading and printing on roll paper. If you need to replace a cartridge with roll paper loaded, you should remove the paper or marks may appear in your printout.

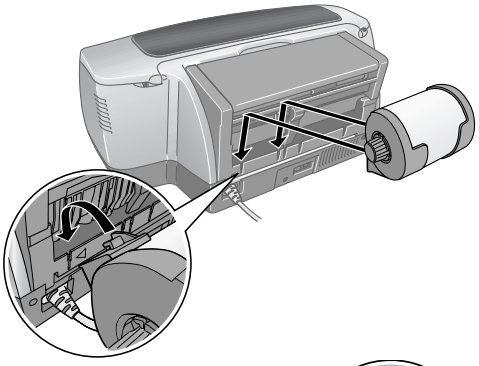
1. Turn on the printer and remove any paper loaded in the sheet feeder at the top of the printer.
2. Open the output tray, but don't pull out the extensions. Also make sure the tray is in the lower position (see page 13).
3. Place the roll paper on the holders as shown, then remove the tape and protective paper from the end of the roll.
4. Make sure the end of the paper is cut straight across, with 90° corners. If the end is cut diagonally, you may have problems feeding the paper.
5. If the paper curls at the end, roll it backwards between a folded sheet of paper to uncurl it.

   Avoid touching the printable surface of the roll paper.





6. Insert the left roll paper holder (marked with an orange triangle) into the far left slot (also marked with an orange triangle). Then insert the other holder into the corresponding slot on the right.



7. Load the paper part of the way into the roll paper feeder, then slide the right roll paper edge guide to fit lightly against the paper.

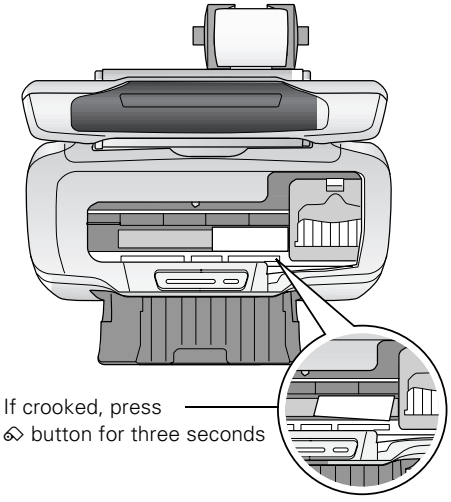
   Caution: Don't load roll paper into the sheet feeder behind the paper support.

8. Push the paper into the feeder as far as it will go; the printer feeds the paper automatically.

9. To verify that the paper is loaded straight, open the printer cover and look into the printer.

   If the paper is crooked, press the ⏀ roll paper button for three seconds to back the paper all the way out.

   Then turn the roll paper holder knobs to roll up the paper. Press the ⏀ roll paper button to clear the paper out error. Repeat steps 7 through 9 to reload the paper.



Follow the instructions on page 35 to print on roll paper.

Printing From Start to Finish

Follow the steps in these sections to print using your printer's basic features:

- "Basic Printing in Windows" on page 20
- "Customizing Your Windows Print Settings" on page 23
- "Basic Printing With Macintosh OS X" on page 25
- "Basic Printing With Macintosh OS 8.6 to 9.x" on page 29
- "Customizing Your Macintosh Print Settings" on page 31
- "Selecting the Correct Media Type" on page 34

To print on roll paper or borderless cut sheets, or to print P.I.M. or color-managed photos, see "Printing Special Photos" beginning on page 35.

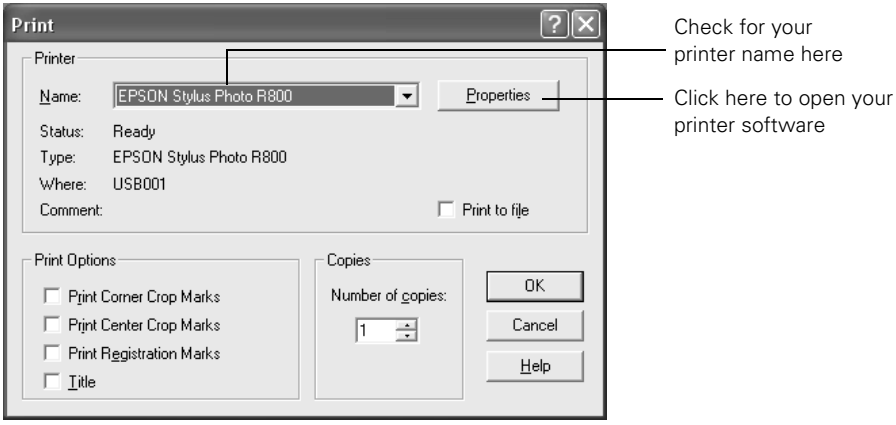
Tip: Whenever you print, make sure you:

- **Use the right paper.**
  For the best-looking photos, most vivid colors, and greatest detail, always use genuine Epson papers and Epson UltraChrome Hi-Gloss inks.
- **Choose the right printer settings for the paper**.
  Your printer automatically adjusts itself for the type of paper you've selected, so make sure your printer settings are correct for the paper you loaded.

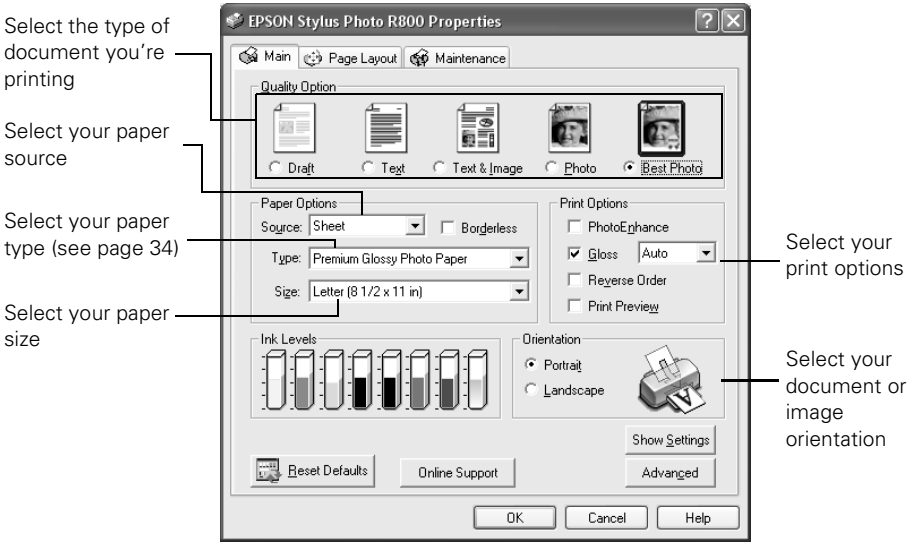
Basic Printing in Windows

Follow these steps to print a document or image using the basic printer settings:

1. From the File menu, click **Print**. You see a Print window like this one:



2. Make sure **EPSON Stylus Photo R800** is selected.
3. Click the **Properties** or **Preferences** button. (If you see a **Setup**, **Printer**, or **Options** button, click it first.)
4. Click the **Main** tab in the printer settings window to see your basic settings.



5. Select one of these document types as the Quality Option setting:
   - Draft: For rough drafts with reduced print quality
   - Text: For text-only documents (like letters) with good print quality
   - Text & Image: For documents with text and images with higher print quality
   - Photo: For photos and graphics with good print quality and speed
   - Best Photo: For photos or graphics with high print quality
6. Select the way your paper is loaded as the Source setting:
   - Sheet: For paper or envelopes loaded in the sheet feeder at the top of the printer
   - Roll: For roll paper loaded in the roll paper feeder on the back of the printer (see page 35)
   - Manual: For CDs or DVDs loaded in the CD/DVD tray (see page 61)
7. Select the type of paper you loaded as the Type setting. See page 34 for details.

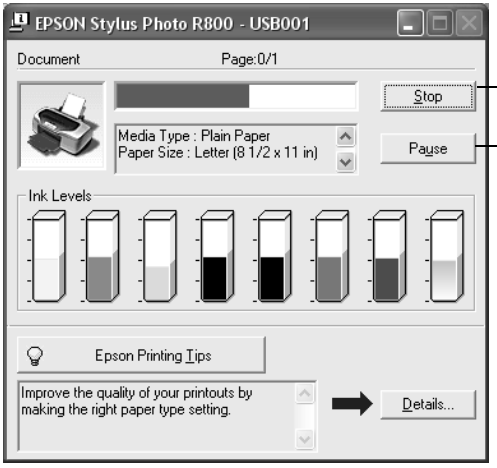
   Note: For printing photos without borders on certain paper types, click the Borderless checkbox. See page 43 for details.
8. Select the size of paper you loaded as the Size setting.
9. Select the direction you want your image or document to print as the Orientation setting. Select Portrait for vertical orientation or Landscape for horizontal.
10. Select any other options you want to use in the Print Options box:
    - PhotoEnhance: Improves the contrast, saturation, and color balance of low-resolution photos (affects only your printout)
    - Gloss: Applies gloss optimizer on certain paper types. Auto applies it only to the image area; Full applies it to the entire page.
    - Reverse Order: Prints multiple page documents last-page-first so you don't need to reorder the pages
    - Print Preview: Displays a preview of your printed image or document before printing so you can check it for position on the page (colors are not accurate).

    Note: For more information about printer settings, click the ? or Help button. For additional print settings, click the Advanced button at the bottom of the screen and see page 23 for details.

11. Click OK. You return to the Print window.

12. Click OK or Print to start printing.

During printing, this window appears. Use it to cancel, pause, or resume printing and see how much ink you have left.


EPSON Stylus Photo R800 - USB001
Document
Page:0/1
Stop
Media Type : Plain Paper
Paper Size : Letter (8 1/2 x 11 in)
Pause
Ink Levels
Epson Printing Tips
Improve the quality of your printouts by making the right paper type setting.
Details...
Click to cancel printing
Click to pause or resume printing

Caution: Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

Selecting the Settings You Use Most Often

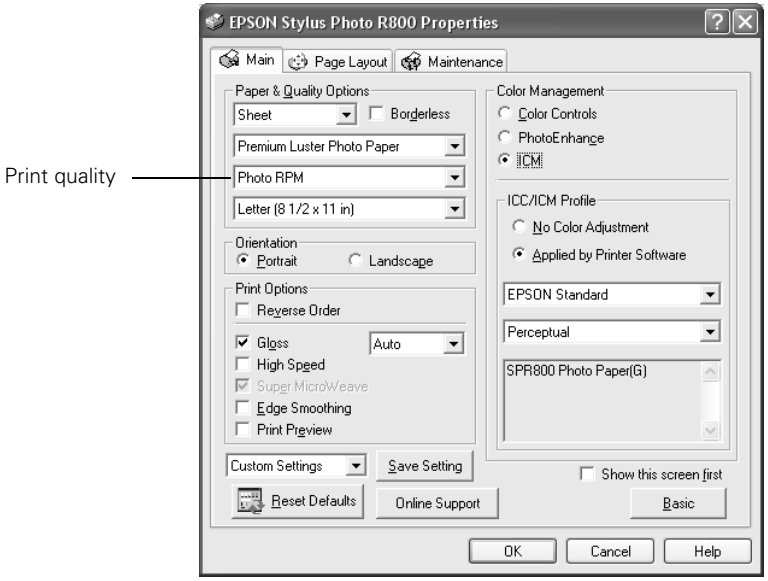
Your printer settings apply only to the program you're currently using. If you want, you can change the Windows default printer settings for all your programs.

1. Right-click the printer icon in the lower right corner of your screen.
2. Select Printer Settings. You see the window shown on page 20.
3. Select the default settings you want for all your applications, then click OK.

You can still change the printer settings in individual programs, if necessary.

Customizing Your Windows Print Settings

1. On the Main tab, click the Advanced button in the bottom right corner.
2. Click Continue. The Basic settings change to the Advanced settings:



Note: If you want to use the Advanced screen each time you access your printer settings, select the Show this screen first checkbox.

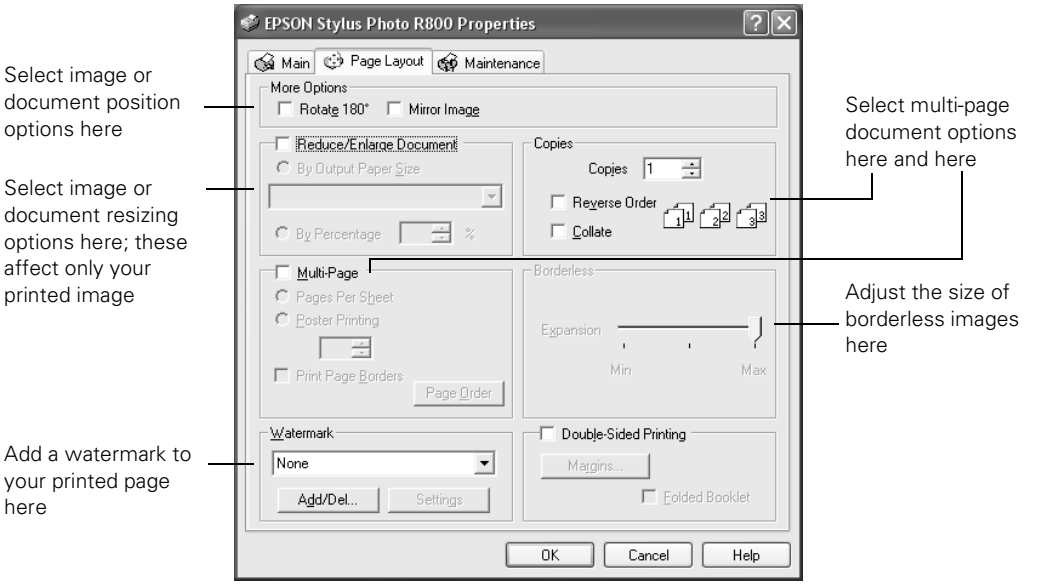
3. The Advanced settings include the same options as the Basic settings, plus these:
   - Print quality: Lets you specify a print quality for your selected paper type, including Photo RPM for the highest print quality (5760 × 1440 dpi) on certain paper types. (Printing takes a bit longer in this mode.)
   - High Speed: Speeds up printing by allowing printing back and forth across the page, instead of in just one direction. (Print quality may decrease.)
   - Super MicroWeave:® Places ink droplets in the most precise manner for high quality printing on certain paper types (printing takes a bit longer)
   - Edge Smoothing: Prints sharper edges on low-resolution images, such as bars in a graph.

- Color Controls: Lets you adjust the Brightness, Contrast, Saturation, and individual colors in your printout.
- ICM: Uses standard color profiles for your printer to help match colors in your image. If you're using custom profiles in an application such as Photoshop, select ICM then click No Color Adjustment.

  Note: To print with custom color profiles using Photoshop, see "Managing Color with Profiles" on page 48.

- Gamma: Adjusts the midtone density in the print.

4. Once you've finished selecting advanced settings, you can:
   - Click OK to save your settings, return to the Print dialog box, and print.
   - Click the Basic button to return to the Basic settings.
   - Click the Page Layout tab and continue with step 5 to select layout options.
5. Select the following page layout settings as necessary:



Note: For more information on printer settings, or instructions on saving them as a group so you can reuse them later, click the Help or ? button.

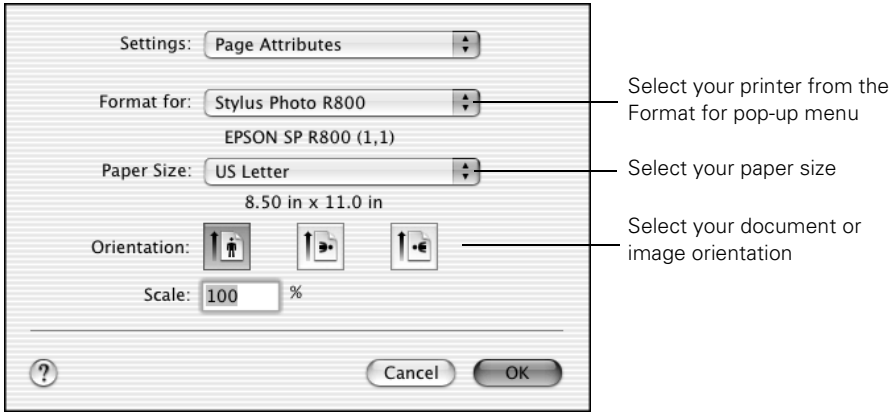
6. Click OK to save your settings, return to the Print dialog box, and print.

Basic Printing With Macintosh OS X

If you're using an OS X compatible application, follow the steps below to print a document or image using the basic settings. (If you're using a Macintosh Classic mode application, follow the steps on page 29 instead.)

Make sure you added your printer to Print Center, as described on the *Start Here* sheet.

1. From the File menu, select Page Setup.
2. Open the Format for menu and select your printer and any optional feature. (For roll paper printing, see page 35. For borderless printing, see page 43. For CD/DVD printing, see page 61.)

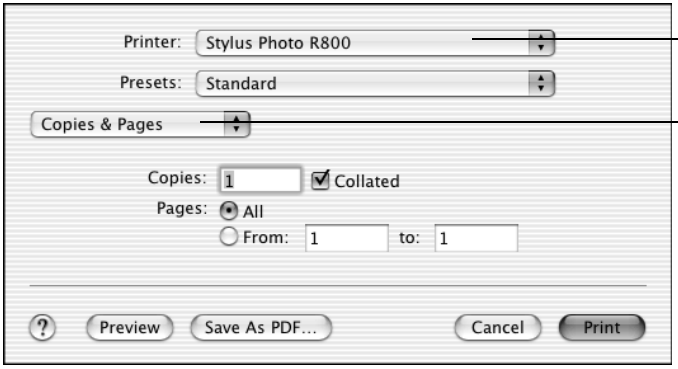


3. Select the size of paper you loaded as the Paper Size setting.

   Caution: When printing non-borderless print jobs using a custom paper size, make sure the selected size matches the paper you loaded and is within the printable area for your printer. For example, never choose a paper size wider than your printer's sheet feeder or longer than your paper length.

4. Select the direction you want your image or document to print as the Orientation setting. Select for vertical orientation, for horizontal facing right, or for horizontal facing left.
5. Click OK.

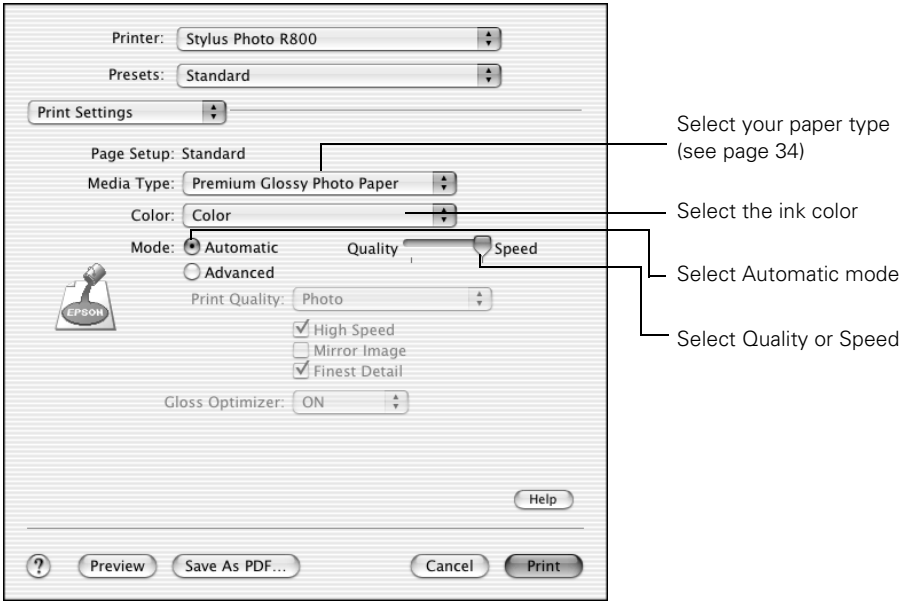
6. Select **Print** from the File menu. You see a screen like this:



7. Open the **Printer** menu and select the same printer and feature setting you chose in the Page Setup window.

   Note: Always select the same setting as the **Format for** option in the Page Setup window and the **Printer** option in the Print window. If the settings are different, you may get unexpected results.

8. Select **Print Settings** from the pull-down menu. You see your basic print settings:



9. Select the type of paper you loaded as the Media Type setting. See page 34.

10. For the ink setting, select Color (for color documents and black and white photographs) or Black (for black text documents).
11. Select Automatic as the Mode setting for the best results printing basic documents or images. (For instructions on using Advanced mode, see page 31.)
12. Move the slider to the Quality setting to print images or documents using higher print quality, or to the Speed setting for faster printing.

    Note: For more information about printer settings, click Help. The OS X printer driver contains a subset of the settings available with the OS 8.6 to 9.x Macintosh printer driver described in this book.

13. You can also choose these options in the pull-down menu:
    - Copies & Pages, to select the number of copies or a page range
    - Layout, to select page layout options
    - Output Options, to save your print job as a PDF file
    - Roll Paper Option (if a Roll Paper option is selected as the Printer setting), to select roll paper options; see page 35 for details
    - Color Management, to select ColorSync® adjust the color controls, change the gamma setting, or turn off color adjustments by the printer software
    - Expansion (if Sheet Feeder - Borderless is selected as the Printer setting), to adjust the borderless image size; see page 43 for details
    - Extension Setting, to correct ink smearing when printing on thick paper or envelopes.
    - Summary, to view a list of all your selections
14. Click Print.

    Caution: Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

15. To monitor the progress of your print job, click the Print Center icon when it appears in the dock. Then double-click Stylus Photo R800. You see this screen:

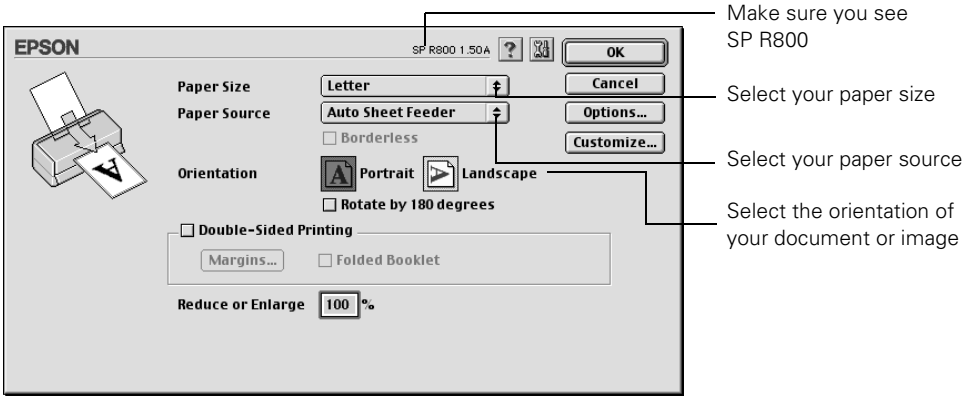
16. Monitor the progress of your print job or do one of the following:
    - Click the print job, then click Delete to delete the job
    - Click the print job, then click Hold to pause printing
    - Click a print job marked "Hold" and click Resume to resume printing
    - If multiple print jobs are listed, click a print job, then click the Priority arrow as necessary to reorder the jobs
17. When you're finished, close Print Center.

Basic Printing With Macintosh OS 8.6 to 9.x

Follow the steps below to print a document or image using the basic print settings.

Before you print, make sure you selected your printer in the Chooser as described on the *Start Here* sheet.

1. From the File menu, select Page Setup. You see a screen like this:



2. Select the size of paper you loaded as the Paper Size setting.

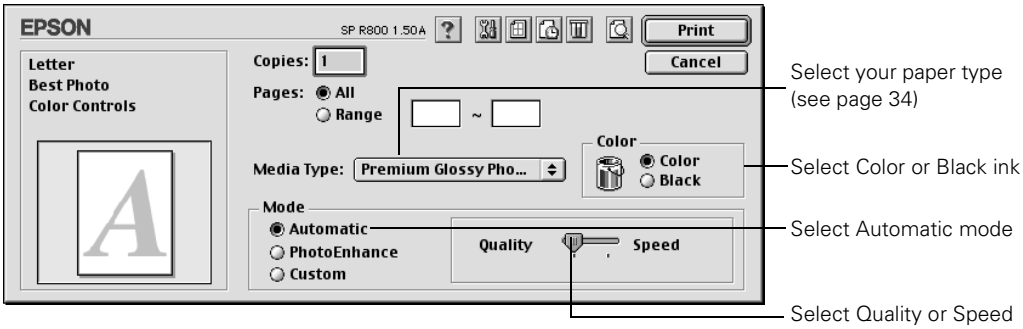
   Caution: When printing non-borderless print jobs using a custom paper size, make sure the selected size matches the paper you loaded and is within the printable area for your printer. For example, never choose a paper size wider than your printer's sheet feeder or longer than your paper length.

3. Select the way your paper is loaded as the Source setting:

   - Auto Sheet Feeder: For paper or envelopes loaded in the sheet feeder at the top of the printer
   - Roll: For roll paper loaded in the roll paper feeder on the back of the printer (see page 35 for details)
   - Manual: For CDs or DVDs loaded in the CD/DVD tray (see page 61 for details)

   Note: For printing photos without borders, click the **Borderless** checkbox (available on for certain paper types). See page 43 for details.

4. Select the direction you want your image or document to print as the Orientation setting. Select Portrait for vertical orientation or Landscape for horizontal.
5. Click OK to close the Page Setup window.
6. From the File menu, select Print. You see a screen like this:



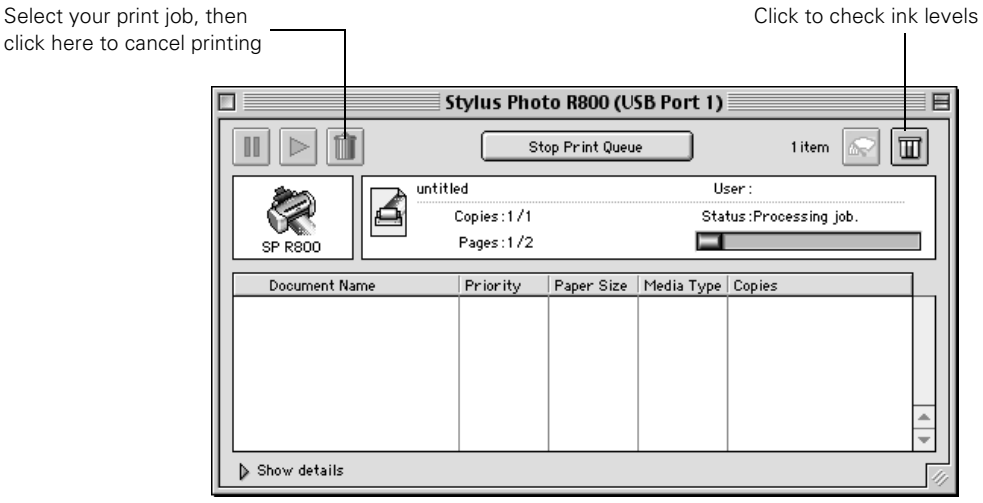
7. Select the type of paper you loaded as the Media Type setting (see page 34).
8. As the ink setting, select Color (for color documents and black and white photographs) or Black (for black text documents).
9. Select Automatic as the Mode setting for the best results printing basic documents or images.

   Select PhotoEnhance if you need to improve the contrast, saturation, and color balance of low-resolution photos (changes affect only your printout).
10. Move the slider to the Quality setting to print images or documents using higher print quality, or to the Speed setting for faster printing.

    Note: For more information about printer settings, click the **?** button.
11. You can also do the following:
    - Click to select layout options or add a watermark.
    - Click to control background printing.
    - Click, then click Preview to preview your printout.
    - Click to check your ink levels (see page 81 for details).
    - Click to run printer utilities (see page 77 for details).
12. Click Print.

Caution: Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

13. If you turned on background printing, select EPSON MonitorIV from the Application menu in the upper right corner of the screen. You see this window:



Note: If you're not using background printing and you need to cancel printing, hold down the ⌘ key and press the . (period) key.

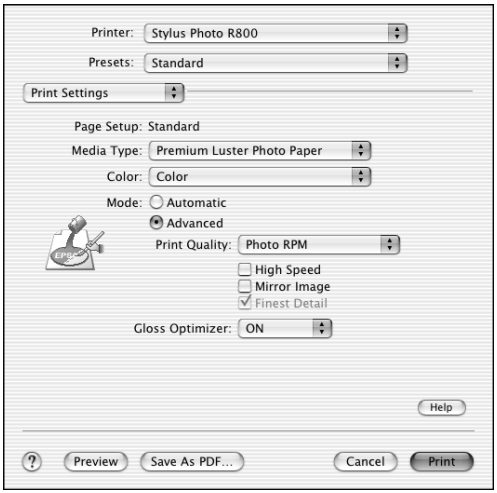
Customizing Your Macintosh Print Settings

1. From the File menu, select Print.
2. To access advanced settings, do one of the following:

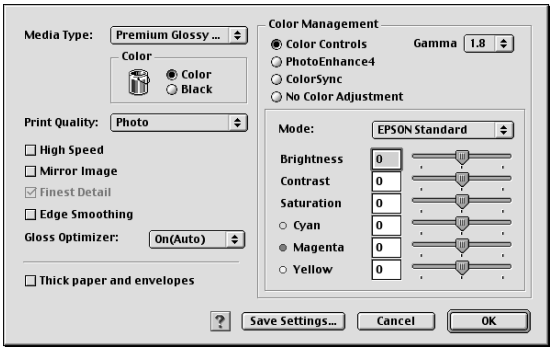
   OS X: Click Advanced.

   OS 8.6 to 9.x: Click Custom, then click Advanced.

You see the advanced settings:



Macintosh OS X



Macintosh OS 8.6 to 9.x

3. In addition to the basic settings, you can select these advanced options:

   - Print Quality: Lets you specify a print quality for your selected paper type, including Photo RPM for the highest print quality (5760 × 1440 dpi) on certain paper types. (Printing takes a bit longer in this mode.)
   - High Speed: Speeds up printing by allowing printing back and forth across the page, instead of in just one direction.
   - Mirror Image: Inverts the image horizontally.
   - Finest Detail: Places ink droplets in the most precise manner for high quality printing. (Printing takes a bit longer in this mode.)
   - Edge Smoothing: Prints sharper edges on low-resolution images, such as bars in a graph (Mac OS 8.6 to 9.x only).
   - Gloss Optimizer: Applies gloss optimizer on certain paper types.
   - Thick paper and envelopes: If printing is smeared on thick paper or envelopes, click this checkbox and try printing again.

4. To select Color Management options, do one of the following:
   - **OS X**: Select Color Management from the pull-down menu.
   - **OS 8.6 to 9.x**: Select a Color Management option on the right of the screen.
5. Select Color Management options as follows:
   - Color Controls: Let you adjust the Brightness, Contrast, Saturation, Gamma, and individual colors in your printout.
   - PhotoEnhance4: Improves the contrast, saturation, and color balance of low-resolution photos (affects only your printout).
   - ColorSync®: Uses standard ColorSync profiles for your printer to help match colors in your image. (If you're using custom profiles in an application such as Adobe Photoshop, select No Color Adjustment instead.)
   - No Color Adjustment: Turns off your printer's color management features so you can use profiles in an application such as Adobe Photoshop instead.

     Note: To print with custom color profiles when you're using Photoshop, see "Managing Color with Profiles" on page 48.
   - Gamma: Adjusts the midtone density in the print.

   Note: For more information on advanced settings, or instructions on saving them as a group so you can reuse them later, click Help (OS X) or ? (OS 8.6 to 9.x).
6. **OS X:** Click Print.

   OS 8.6 to 9.x: Click OK to save your settings, then click Print.

Selecting the Correct Media Type

Select the correct Type or Media Type setting so your printer knows what kind of paper you're using and adjusts the ink coverage accordingly.

Paper or other media loaded	Type or Media Type setting
Plain paper sheets Envelopes Epson Premium Bright White Paper	Plain Paper
Epson Photo Quality Ink Jet Paper Epson Photo Quality Ink Jet Cards Epson Photo Quality Self Adhesive Sheets	Photo Quality Ink Jet Paper
Epson Enhanced Matte Paper	Enhanced Matte Paper
Epson Matte Paper Heavyweight PremiereArt Matte Scrapbook Photo Paper for Epson	Matte Paper - Heavyweight
Epson Premium Glossy Photo Paper	Premium Glossy Photo Paper
Epson Premium Luster Photo Paper	Premium Luster Photo Paper
Epson Premium Semigloss Photo Paper	Premium Semigloss Photo Paper
Ink-jet printable CDs or DVDs	CD/DVD
Ink-jet printable CDs or DVDs with a premium surface	CD/DVD Premium Surface

Printing Special Photos

When you need to print photos using the special Stylus Photo R800 printing features, follow the instructions in these sections:

- "Printing on Roll Paper" below
- "Using PRINT Image Matching" on page 42
- "Printing Borderless Cut Sheets" on page 43
- "Managing Color with Profiles" on page 48

Printing on Roll Paper

Before you print on roll paper, load roll paper as described on page 16.

Then follow the steps in the next sections to select your roll paper settings, control printing, and remove and store roll paper.

> **Caution:** Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

Selecting Roll Paper Print Settings

Follow the steps in one of these sections to select your roll paper print settings:

- "Windows" below
- "Macintosh OS X" on page 37
- "Macintosh 8.6 to 9.x" on page 39

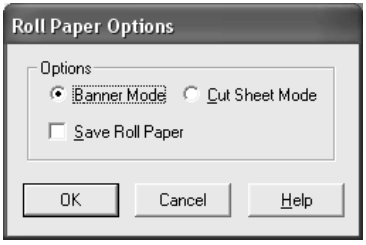
Windows

1. Start your print application, open your photo file, and resize it as necessary.
2. Open the File menu, click **Print**, then click **Properties** or **Preferences**.
3. Select the type of roll paper you loaded as the Type option:
   - **Premium Semigloss Photo Paper**
   - **Premium Luster Photo Paper**
   - **Premium Glossy Photo Paper**
4. If you'll be printing photos without any borders, click the **Borderless** box.
5. Select the photo size as the **Size** setting.

If you're printing a panoramic photo, select **User Defined** from the Size list and enter the size of your photo. Make sure the width of your photo is 4 or 8.3 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to **0** in your printing software.

Note: Don't select any of these settings when printing on roll paper: PhotoEnhance, Reverse Order, or Sheet or Manual (for Source).

6. Choose **Roll** as the Source setting. The Roll Paper Options dialog box pops up:



7. Select the roll paper settings based on the type of printing you're doing, then click OK:

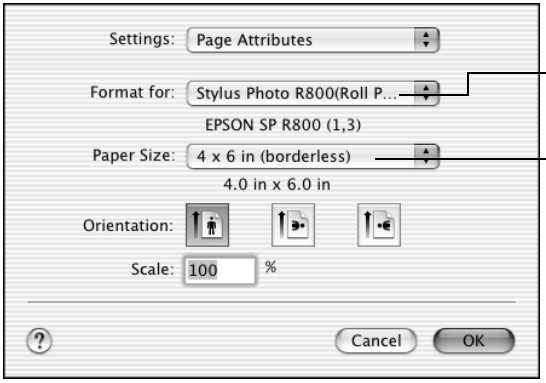
Type of printing	Borderless checkbox	Roll Paper Options
Borderless photos (only available with 4-, 8-, or 8.27-inch paper widths)	Checked	Cut Sheet Mode or Banner Mode
Photos with borders or panoramics	Unchecked	Cut Sheet Mode

8. Click OK.
9. Click OK or Print. Follow the steps on page 41 to remove your printed photos.

Macintosh OS X

1. Start your print application, open your photo file, and resize it as necessary.
2. Click File > Page Setup.
3. Select one of the following as the Format for setting:
   - Stylus Photo R800(Roll Paper)
   - Stylus Photo R800(Roll Paper - Borderless)
   - Stylus Photo R800(Roll Paper - Borderless Banner)

   (If you'll be printing photos without any borders, select either the Borderless or Borderless Banner option. For panoramics, select the Borderless option.)



4. Select the photo size as the Paper Size setting.

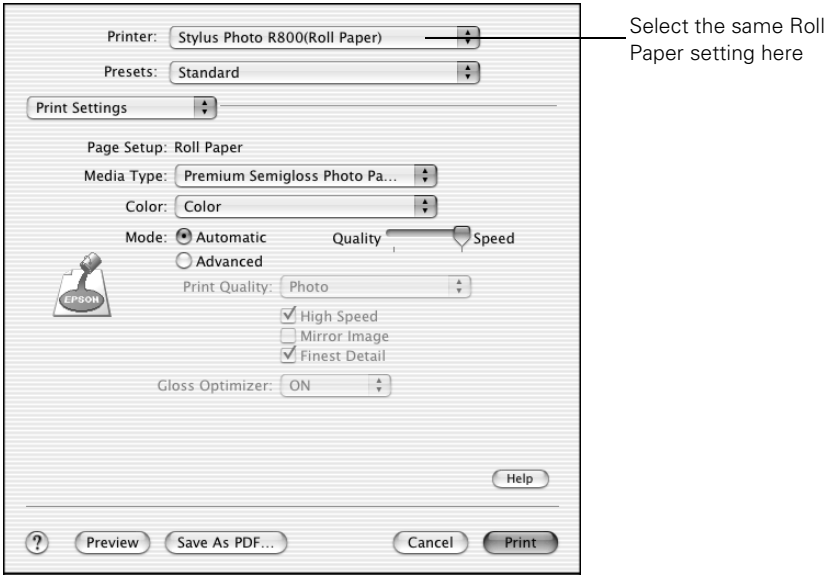
   If you're printing a panoramic photo, click the Settings pull-down menu, select Custom Paper Size, and enter the size of your photo. Make sure the width of your photo is 4 or 8.3 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to 0 in your printing software.

5. Click OK to close the Page Setup dialog box.

6. Click File > Print to open the printer settings dialog box.

7. For the Printer setting, select the same Roll Paper setting that you chose on the Page Setup window in step 3.

   Note: Always select the same setting as the Format for option in the Page Setup window and the Printer option in the Print window. If the settings are different, you may get unexpected results.

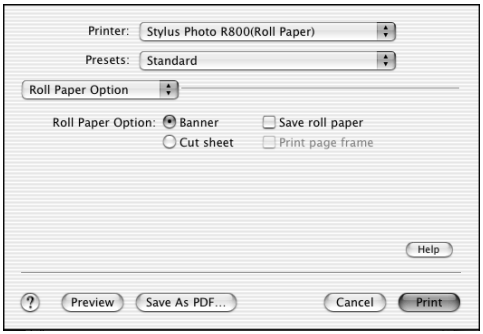


8. Select Print Settings from the pull-down menu.

9. Select the type of roll paper you loaded as the Media Type option:

   - Premium Semigloss Photo Paper
   - Premium Luster Photo Paper
   - Premium Glossy Photo Paper

10. Move the slider to the Quality setting.
11. Select Roll Paper Option from the pull-down menu. You see these options:

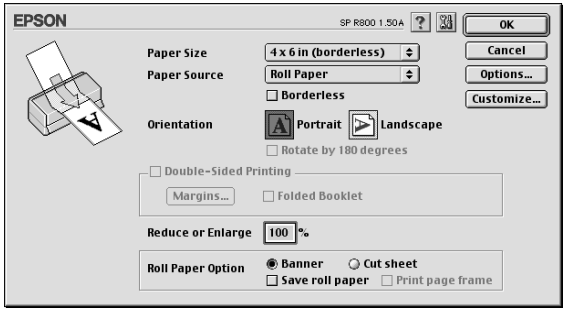


12. Select the settings based on the type of printing you're doing:

Type of printing	Borderless option	Roll Paper Option
Borderless photos (only available with 4-, 8-, or 8.27-inch paper widths)	Selected	Cut Sheet or Banner
Photos with borders or panoramics	Not selected	Cut Sheet

13. When you're finished, click Print.
14. Follow the steps on page 41 to remove your printed photos.

Macintosh 8.6 to 9.x



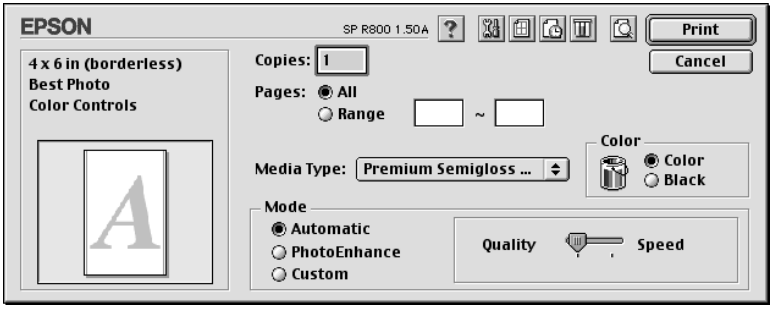
1. Start your print application, open your photo file, and resize it as necessary.
2. Click File > Page Setup.
3. Select the photo size as the Paper Size setting.

   If you're printing a panoramic photo, click the Customize and enter the size of your photo. Make sure the width of your photo is 4 or 8.3 inches maximum, depending on the width of the roll paper you loaded. Also set the margins to 0 in your printing software.

4. Choose Roll Paper as the Paper Source setting.
5. If you'll be printing photos without any borders, click the Borderless checkbox.
6. Select the Roll Paper Option settings based on the type of printing you're doing:

Type of printing	Borderless checkbox	Roll Paper Options
Borderless photos (only available with 4-, 8-, or 8.27-inch paper widths)	Checked	Cut Sheet or Banner
Photos with borders or panoramics	Unchecked	Cut Sheet

7. Click OK to close the Page Setup dialog box.
8. Click File > Print to open the printer settings dialog box.



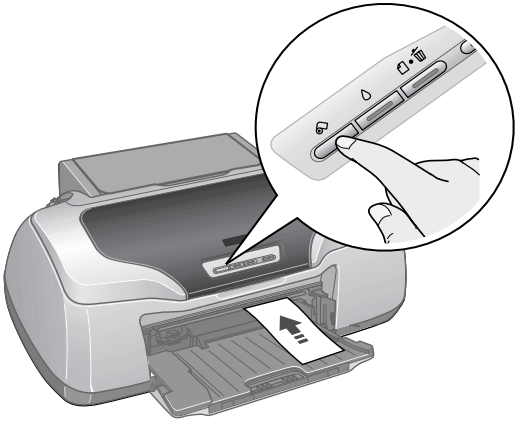
9. Select the type of roll paper you loaded as the Media Type option:
   - Premium Semigloss Photo Paper
   - Premium Luster Photo Paper
   - Premium Glossy Photo Paper
10. Move the slider to the Quality setting.
11. Click Print.

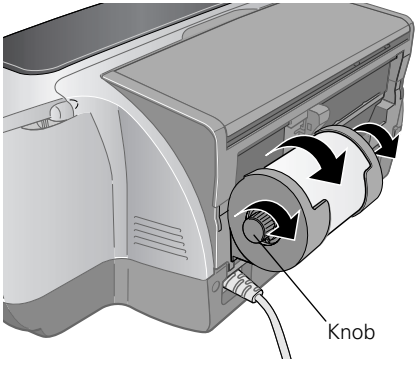
Removing Your Printed Photos

1. Press the roll paper button once to feed the paper forward.
2. Cut the paper on the printed cutting line.
3. If you want to print another job on roll paper, press the roll paper button once again; the paper returns to the correct print position.
4. Follow the steps in the next section if you're finished printing on roll paper.

Removing and Storing Roll Paper

1. Press the roll paper button for three seconds. The paper feeds backwards out of the printer. (If it doesn't feed all the way out, repeat this step.)





2. Turn the knobs to roll the rest of the paper onto the holder. Then press the roll paper button to turn off the paper light.
3. Pull the roll paper holder off of the printer and remove the roll paper from it.

Return the unused roll to its original package. Store your printouts in resealable plastic bags, photo albums, or glass-covered picture frames. Keep both printed and unused roll paper away from high temperatures, humidity, and direct sunlight.

Using PRINT Image Matching

With PRINT Image Matching, special print instructions are saved in your digital photo files. For example, macro mode pictures might include print commands for sharpness and clarity, while portrait mode pictures might emphasize soft focusing and subtle flesh tones. If your digital camera supports PRINT Image Matching (P.I.M. or P.I.M II), you can use this technology when you print with:

- Film Factory
- P.I.M. II Plug-in for Adobe Photoshop

Using Film Factory

If your digital camera supports PRINT Image Matching, P.I.M. II, or Exif Print, you can use these technologies when you print with Film Factory to ensure the most accurate image reproduction. Printing with P.I.M. isn't complicated, and it provides the color corrections right from your P.I.M. image file, so you don't have to correct them yourself. Just leave the PRINT Image Matching box checked.

You can also use Film Factory to organize, retouch, and print non-P.I.M. and non-Exif Print digital images.

For instructions on using Film Factory, see the on-screen *Getting Started Guide* in your Film Factory program group or folder.

Using the P.I.M. II Plug-in for Adobe Photoshop

The P.I.M. II Plug-in for Adobe Photoshop allows you to retain the P.I.M. or Exif Print *image quality* when you import JPEG or TIFF files from your P.I.M.- or Exif Print-enabled digital camera. The P.I.M. II Plug-in works with Photoshop 6.0 and 7.0, and Photoshop Elements 1.0 and 2.0. You'll also need to use the ICC profiles for your printer that are installed with the plug-in (Windows) or the printer driver (Macintosh).

Photoshop doesn't retain the PRINT Image Matching or Exif Print information separately in the header file when you import your P.I.M. or Exif Print image. Instead, it converts that information in the file and embeds a color space called EPSON RGB 2001. This profile supports all the P.I.M. color advantages and enhancements.

You can crop, rotate, resize, work with layers, play with filters, and even make selective color adjustments to the P.I.M. image while retaining P.I.M. quality. However, you won't benefit from global color adjustments (such as Auto Levels, Auto Contrast, Auto Color, etc.). Also, if you try to use your new Photoshop file in another P.I.M.-enabled software program, it won't be recognized as a P.I.M. image. You need to keep your original file to take advantage of P.I.M. information in other programs.

For instructions on using the P.I.M. II Plug-in, double-click the P.I.M. II plug-in.pdf icon on your desktop.

Printing Borderless Cut Sheets

You can print your photos with no margins, extending the image all the way to the edges of the page. Although borderless printing is a bit slower, you get beautiful portraits and enlargements, without trimming, on these papers and sizes:

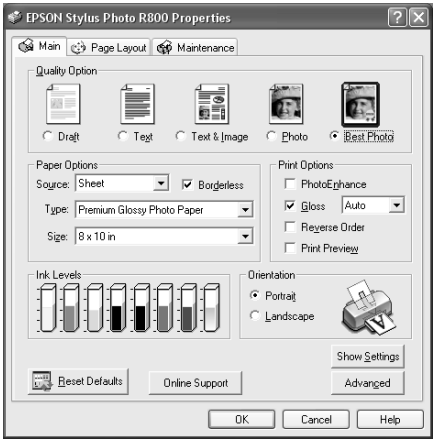
Paper name	Sizes	Media Type setting
Premium Glossy Photo Paper	4 × 6, 5 × 7, 8 × 10	Premium Glossy Photo Paper
Matte Paper Heavyweight	8 × 10	Matte Paper - Heavyweight

Caution: Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

Follow the steps for your operating system in these sections to print BorderFree photos on cut sheet paper.

- "Windows" below
- "Macintosh OS X" on page 45
- "Macintosh 8.6 to 9.x" on page 47

Windows

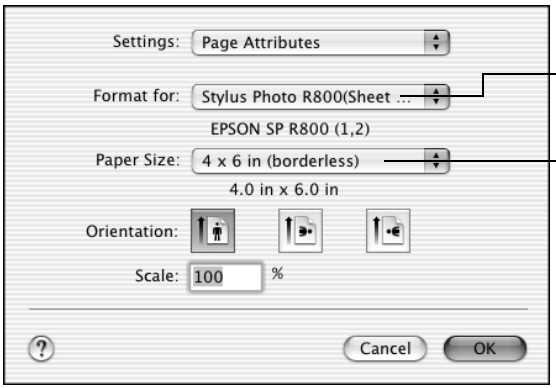


1. Start your printing application and open your photo file.
2. Open the File menu and click **Print**, then click **Properties** or **Preferences**.
3. Select **Photo** or **Best Photo** as the Quality Option.
4. Choose **Sheet** as the Source setting.
5. Select the type of paper you loaded as the Type setting:
   - **Premium Glossy Photo Paper**
   - **Matte Paper - Heavyweight**
6. Click the **Borderless** checkbox.

   Note: If you need to adjust the amount of image expansion necessary for borderless printing, click the **Page Layout** tab and move the **Expansion** slider.
7. Select your paper size as the Size setting.
8. Select **Portrait** or **Landscape** as the orientation setting.
9. Click **OK**.
10. Click **OK** or **Print**.

Macintosh OS X

1. Start your printing application and open your photo file.
2. Click File > Page Setup.
3. Select Stylus Photo R800(Sheet Feeder - Borderless) as the Format for setting.



4. Select the size of the paper you loaded as the Paper Size setting.

   Caution: When printing borderless photos, select one of the supported paper sizes listed on page 43; never select a custom or unsupported paper size or ink may spray inside your printer.

5. Select one of the portrait or landscape orientation icons as the Orientation setting.
6. Click OK.
7. Click File > Print.
8. For the Printer setting, select the same setting that you chose on the Page Setup window in step 3, Stylus Photo R800(Sheet Feeder - Borderless).

Note: Always select the same setting as the **Format for** option in the Page Setup window and the **Printer** option in the Print window. If the settings are different, you may get unexpected results.

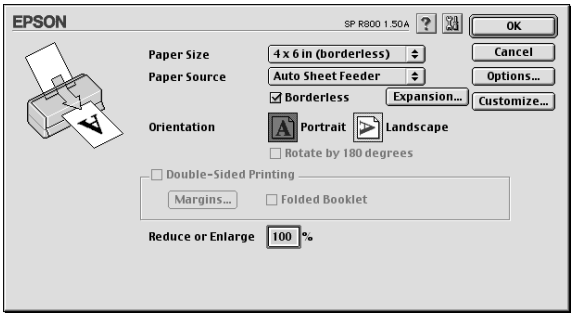
9. Select **Print Settings** from the pull-down menu.
10. Select the type of paper you loaded as the Media Type option:
    - **Premium Glossy Photo Paper**
    - **Matte Paper - Heavyweight**
11. Move the slider to the **Quality** setting.

    Note: If you need to adjust the amount of image expansion necessary for borderless printing, select **Expansion** from the pull-down menu and move the **Expansion** slider.

12. Click **Print**.

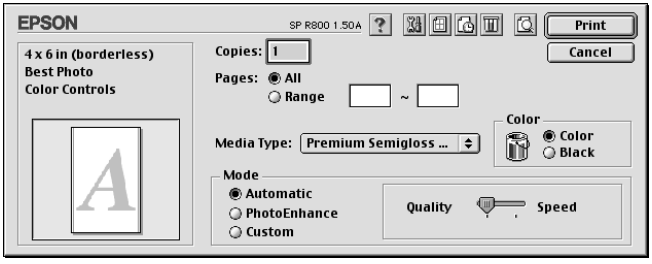
Macintosh 8.6 to 9.x

1. Start your printing application and open your photo file.
2. Click File > Page Setup.
3. Select the size of the paper you loaded as the Paper Size setting.
4. Select Auto Sheet Feeder as the Paper Source setting.
5. Click the Borderless checkbox.
6. Select Portrait or Landscape as the orientation setting.



Note: If you need to adjust the amount of image expansion necessary for borderless printing, click the Expansion button and move the Expansion slider.

7. Click OK.
8. Click File > Print.
9. Select the type of paper you loaded as the Media Type setting:
   - Premium Glossy Photo Paper
   - Matte Paper - Heavyweight



10. Move the slider to the Quality setting.
11. Click Print.

Managing Color with Profiles

Follow the steps in this section to use color profiles for printing with Adobe Photoshop (the instructions cover Photoshop 7.0). You may want to use profile-building software to create custom profiles, such as Monaco Systems MonacoEZcolor™ or GretagMacbeth® ProfileMaker.™

Carefully follow the instructions in these sections for the best results:

- "Printing With a Color Profile" on page 48
- "Solving Color Management Problems" on page 56
- "Printing a Custom Profile Test Target" on page 56
- "Creating a Custom Profile" on page 60

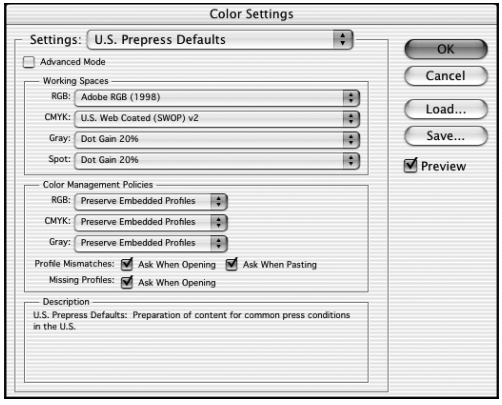
Printing With a Color Profile

To print an image using a profile, follow the steps in the appropriate section for your operating system below.

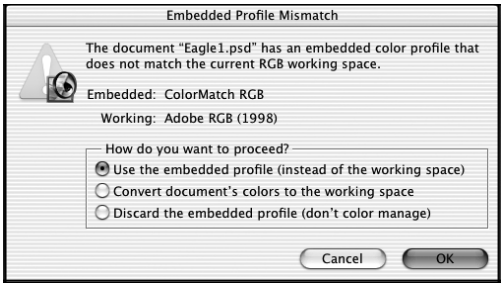
Macintosh OS X

Opening Your Image

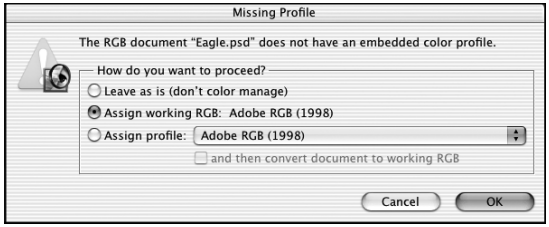
1. Open Adobe Photoshop.
2. Select Color Settings from the Photoshop menu.
3. Select U.S. Prepress Defaults from the Settings pull-down menu. This sets Adobe RGB (1998) as the RGB working space and activates warning messages for profile mismatches and missing profiles. Click OK.



4. Open the photo you want to print.
5. If you see the message shown below, select Use the embedded profile (instead of the working space) option and click OK. It is generally best to use the embedded profile.


Embedded Profile Mismatch
The document "Eagle1.psd" has an embedded color profile that does not match the current RGB working space.
Embedded: ColorMatch RGB
Working: Adobe RGB (1998)
How do you want to proceed?
Use the embedded profile (instead of the working space)
Convert document's colors to the working space
Discard the embedded profile (don't color manage)
Cancel
OK

6. If you see the message shown below, select Assign working RGB: Adobe RGB (1998) and click OK.


Missing Profile
The RGB document "Eagle.psd" does not have an embedded color profile.
How do you want to proceed?
Leave as is (don't color manage)
Assign working RGB: Adobe RGB (1998)
Assign profile: Adobe RGB (1998)
and then convert document to working RGB
Cancel
OK

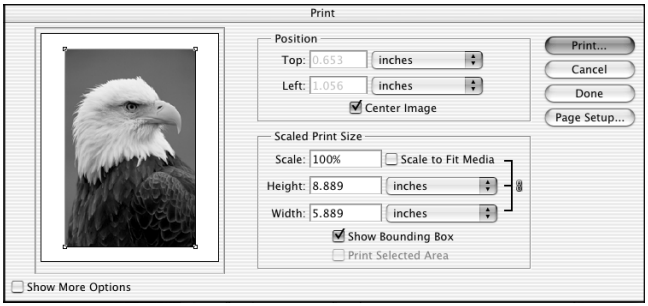
7. When your image appears, evaluate the color balance and contrast as displayed on your monitor. If they need improvement, select Image > Mode > Assign Profile. Select one of the following as the Profile setting:
   - A different RGB working space, such as ColorMatch RGB or sRGB IEC61966-2.1
   - A scanner profile for your scanner
   - A camera profile for your digital camera

   Also click the Preview box so you can see the effects of your profile choice on the screen.

   Note: Assigning a profile to the image doesn't alter the image data, only the interpretation of the data by your software and how it appears on your monitor and in a printout. This is the best way to improve the color balance and contrast in your image.

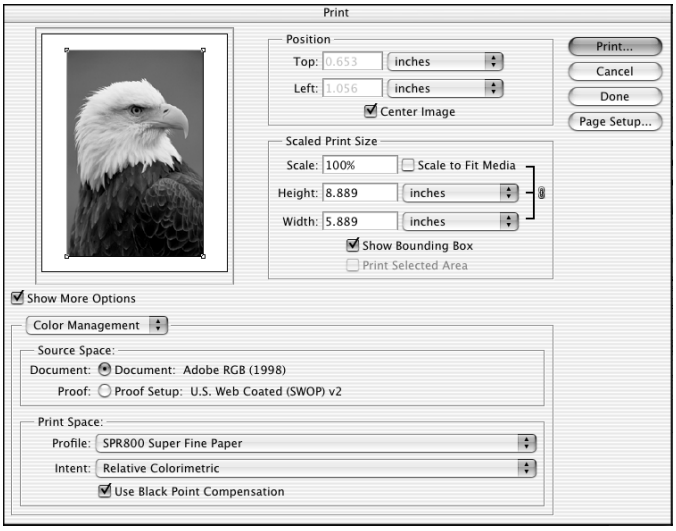
Selecting Your Print Settings

1. Select File > Print with Preview. You see this window:



2. Click the Page Setup button to change the page size and orientation settings as necessary, then click OK.

3. Click Show More Options, then select Color Management. Additional options appear:



4. Under Print Space: Profile, select a profile for your printer and the paper you'll use for the print.

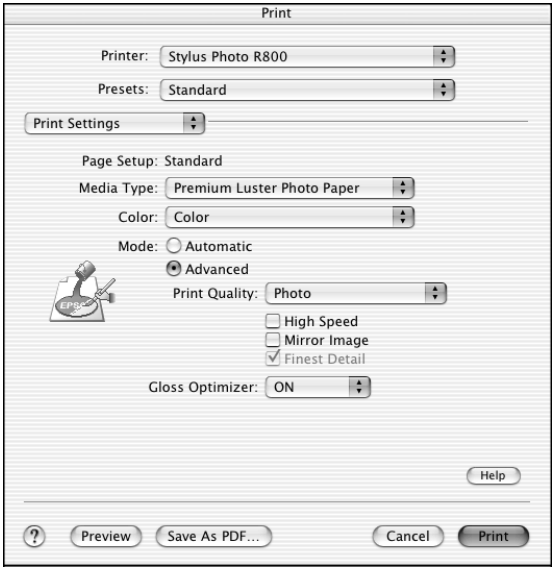
5. As the Print Space: Intent setting, select Relative Colorimetric.

   Note: If your image contains very saturated colors, select Perceptual instead. This reduces the color saturation so that the colors fit within the printer's color gamut.

6. Select the Use Black Point Compensation checkbox.

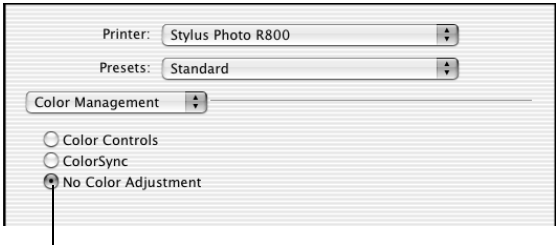
Printing Your Color-Managed Photo

1. Click the Print button.
2. Select your printer from the Printer menu.
3. Select Print Settings from the pull-down menu.
4. Select the Media Type setting for the paper you'll use for the printer.
5. Click the Advanced button.
6. Turn **off** the High Speed and Edge Smoothing options, if they are available.



7. Select Color Management from the pull-down menu.
8. Select No Color Adjustment.

   Note: Make sure that you select No Color Adjustment. If you don't, the printer driver will apply additional correction to the image data, producing inaccurate results.



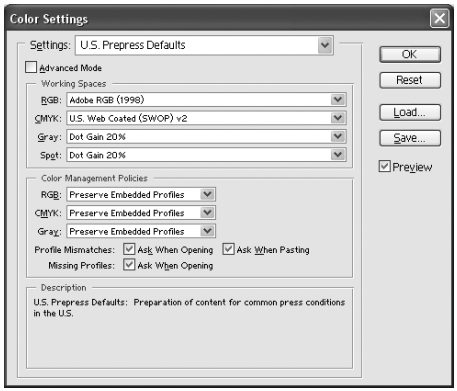
IMPORTANT!
Select No Color Adjustment

9. Click Print to print your photo.

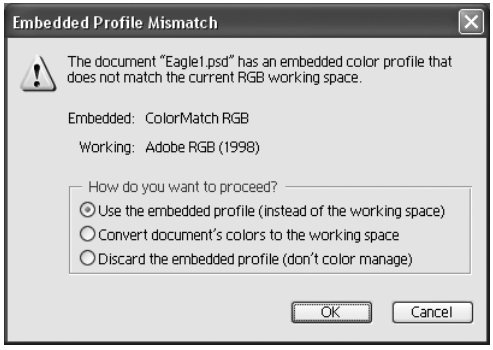
Windows

Opening Your Image

1. Open Adobe Photoshop.
2. Select Edit > Color Settings.
3. Select U.S. Prepress Defaults from the Settings pull-down menu. This sets Adobe RGB (1998) as the RGB working space and activates warning messages for profile mismatches and missing profiles. Then click OK.



4. Open the photo you want to print.
5. If you see the message shown below, select Use the embedded profile (instead of the working space) option and click OK. It is generally best to use the embedded profile.


Embedded Profile Mismatch
The document "Eagle1.psd" has an embedded color profile that does not match the current RGB working space.
Embedded: ColorMatch RGB
Working: Adobe RGB (1998)
How do you want to proceed?
Use the embedded profile (instead of the working space)
Convert document's colors to the working space
Discard the embedded profile (don't color manage)
OK
Cancel

6. If you see the message shown below, select Assign working RGB: Adobe RGB (1998) and click OK.

Missing Profile
The RGB document "Eagle.psd" does not have an embedded color profile.
How do you want to proceed?
Leave as is (don't color manage)
Assign working RGB: Adobe RGB (1998)
Assign profile: Adobe RGB (1998)
and then convert document to working RGB
OK
Cancel

7. When your image appears, evaluate the color balance and contrast as displayed on your monitor. If they need improvement, select Image > Mode > Assign Profile. Select one of the following as the Profile setting:

   - A different RGB working space, such as ColorMatch RGB or sRGB IEC61966-2.1
   - A scanner profile for your scanner
   - A camera profile for your digital camera

   Also click the Preview box so you can see the effects of your profile choice on the screen.

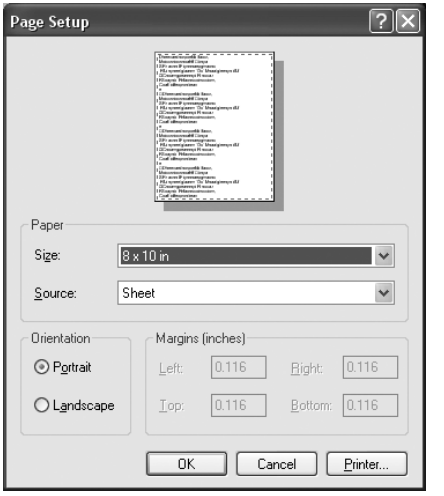
   Note: Assigning a profile to the image doesn't alter the image data, only the interpretation of the data by your software and how it appears on your monitor and in a printout. This is the best way to improve the color balance and contrast in your image.

Selecting Your Print Settings

1. Select File > Page Setup.
2. Click the Printer button.

3. Make sure the correct printer is selected, then click OK.

4. Select the size of your paper as the **Size** setting.



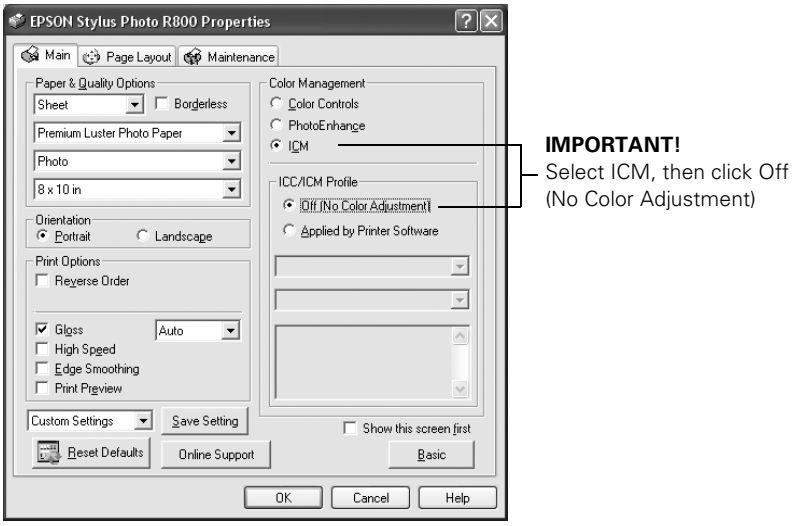
5. Select the orientation of your image.
6. Click **OK**.
7. Select **File > Print with Preview**.
8. Click **Show More Options**, then select **Color Management** from the pull-down menu. Additional options appear:
9. Under Print Space: Profile, select a profile for your printer and the paper you'll use for the print.
10. As the Print Space: Intent setting, select **Relative Colorimetric**.

Note: If your image contains very saturated colors, select **Perceptual** instead. This reduces the color saturation so that the colors fit within the printer's color gamut.

11. Select the **Use Black Point Compensation** checkbox.

Printing Your Color-Managed Photo

1. Click the Print button.
2. Make sure your printer is selected, and click the Properties button.
3. Select the Photo or Best Photo setting as the Quality Option.
4. Select the Type setting for the paper you'll use for the print.
5. Click the Advanced button.
6. Turn **off** the High Speed and Edge Smoothing options, if they are available.
7. Click the ICM button under Color Management.



8. Click the Off (No Color Adjustment) button.

   Note: Make sure that you select Off (No Color Adjustment). If you don't, the printer driver will apply additional correction to the image data, producing inaccurate results.

9. Click OK.
10. Click OK to print.

Solving Color Management Problems

If you selected the wrong combination of source profile, printer profile, and color management settings, you'll get unexpected results. Try these solutions:

- If your printed image is darker than expected and has a strong green cast, you probably turned off color management in both Photoshop and the Epson printer driver.

  Return to the Print with Preview instructions for Adobe Photoshop on page 50 (for Mac OSX) or page 53 (for Windows). Make sure the Source Space - Document option is *not* set to Untagged RGB. Also make sure you selected the correct profile for your printer in the Print Space - Profile pull-down menu.

- If your printed image is lighter than expected and has a strong red cast, you probably turned on color management in both Photoshop and the Epson printer driver.

  Return to the instructions on page 51 (for Mac OS X) or page 55 (for Windows). Make sure to select No Color Adjustment in the printer driver Advanced screen or Color Management menu to turn off color management in your Epson printer driver.

Printing a Custom Profile Test Target

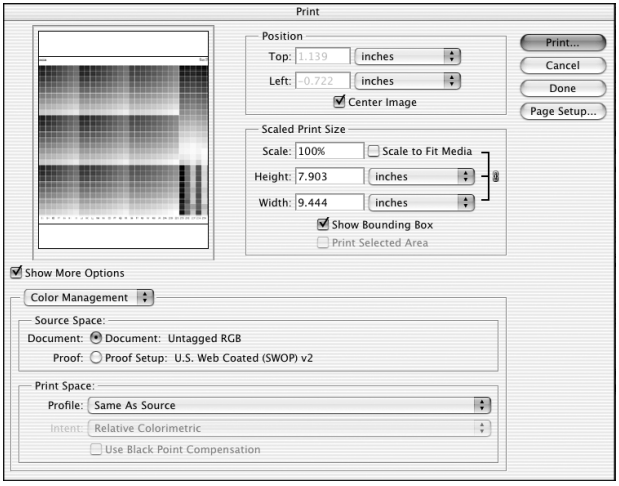
Follow the steps in this section to create and print individual custom profile test targets for each paper type you plan to print on.

When you're ready to print the test target, follow the steps for your operating system below.

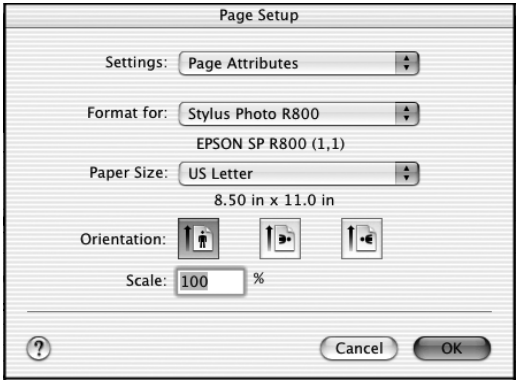
Macintosh OS X

1. Open Adobe Photoshop and open the profile target file provided by your profile-building software manufacturer.
2. If you see a missing profile screen, select Leave as is (don't color manage).
3. Select File > Print with Preview.
4. In the Print window, click the Show More Options checkbox, then choose Color Management in the drop-down menu.

5. Select **Same as Source** as the Print Space: Profile setting.

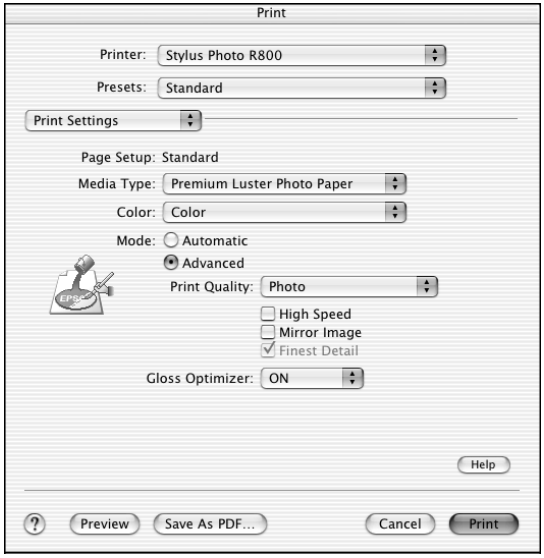


6. Click the **Page Setup** button.

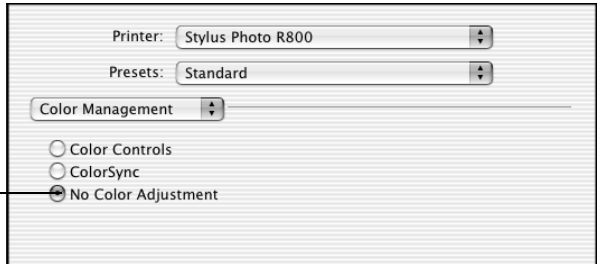


7. Select your printer from the Format for pull-down menu.
8. Select the appropriate Paper Size and Orientation settings, then click **OK**.
9. Click the **Print** button.
10. Select your printer from the Printer menu, then select **Print Settings** from the pull-down menu.

11. Select the Media Type setting for the profile you're printing.



12. Click the Advanced button.
13. Select Photo as the Print Quality setting, though you can select a lower or higher quality setting.
14. Turn *off* the High Speed and Edge Smoothing options, if they are available.
15. Select Color Management from the pull-down menu.
16. Click No Color Adjustment.

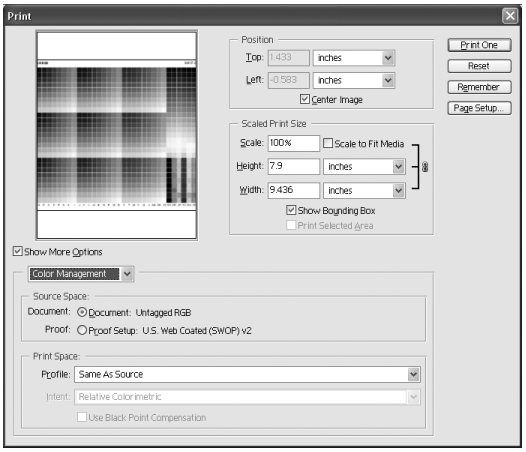


IMPORTANT!
Select No Color Adjustment

17. Click Print to print your test target.
18. Repeat these steps to print a test target for each paper type you plan to print on.

Windows

1. Open Adobe Photoshop and open the profile target file.
2. If you see a missing profile screen, select Leave as is (don't color manage).
3. Select File > Print with Preview.
4. In the Print window, click the Show More Options checkbox, then choose Color Management in the drop-down menu.
5. Select Same as Source as the Print Space: Profile setting.
6. Click the Print button.
7. Click the Properties button.
8. Select Photo or Best Photo as the Quality Option.

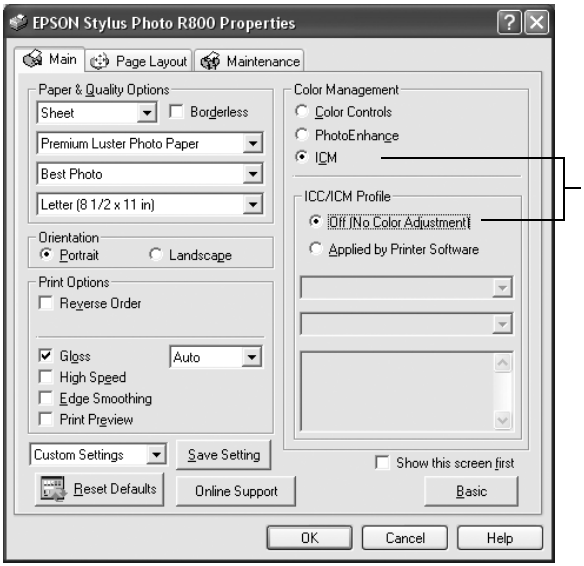


9. Select the Type setting for the paper you'll use for the print.

10. Click the Advanced button.
11. Turn **off** the High Speed and Edge Smoothing options, if they are available.

12. Click the ICM button under Color Management.

13. Click the Off (No Color Adjustment) button.



14. Click OK.

15. Click OK to print.

16. Repeat these steps to print a test target for each paper type you plan to print on.

Creating a Custom Profile

If you're creating a custom profile for your printer, follow the instructions provided with your profile-building software (such as Monaco Systems MonacoEZcolor or GretagMacbeth ProfileMaker) to create your custom profile using the test target you printed. Once you create the profile, be sure to place it in the correct folder on your computer, as recommended by Microsoft or Apple®.

Printing on CDs and DVDs

Your printer includes a special tray that lets you print customized text, graphics, and photos directly on any ink-jet printable CD or DVD. The Epson Print CD software makes it easy to import your own photos, add text, and modify your designs with a variety of special effects. You can print on both regular 12-cm discs and 8-cm mini CDs.

> **Caution:** Use only ink jet-printable CDs or DVDs for printing. Do not use thermal-printable or regular CDs or DVDs.

You can order CDs and DVDs with an ink-jet printable surface from your local retailer or a website such as www.pcmall.com, www.cdw.com, www.warehouse.com, www.zones.com, www.macconnection.com, and www.pcconnection.com.

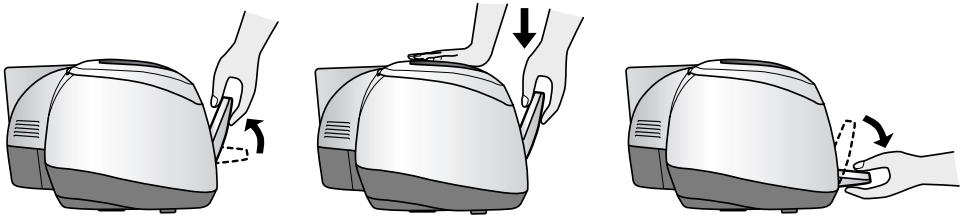
Follow the steps in these sections to print on your CDs or DVDs:

- "Cleaning the Roller" on page 62
- "Inserting a CD or DVD" on page 63
- "Designing CDs and DVDs" on page 65
- "Printing Your Design" on page 67
- "Adjusting the Print Position" on page 70
- "Adjusting the Print Density" on page 74

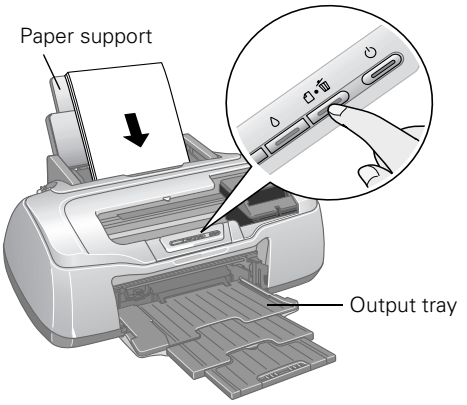
Cleaning the Roller

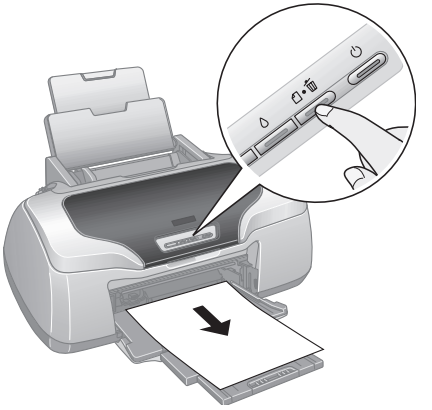
Before you print on CDs or DVDs, you may need to clean the roller inside the printer. You can do this by feeding and ejecting several sheets of plain paper.

1. Make sure the output tray is in the lower position. If it isn't, lift the tray as shown below, then place one hand on the top of the printer and ease the tray down into the lower position.



2. Pull out the output tray extensions.
3. Open the paper support and pull up the support extension.
4. Turn on the printer and load several sheets of letter-size paper.
5. Press the paper button to feed the paper.





6. Press the paper button again to eject the paper.
7. Repeat steps 5 and 6 several times to completely clean the roller.

Inserting a CD or DVD

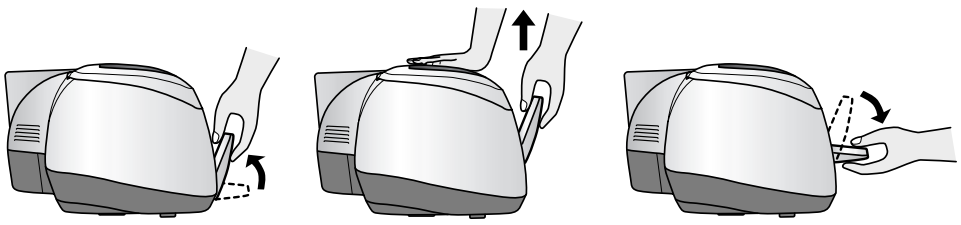
Make sure the data, music, or video is burned on your ink-jet printable CDs or DVDs before you print. Otherwise, dirt or scratches on the surface may cause errors when you burn the data. If you plan to print large numbers of CDs or DVDs, it's a good idea to print a small sample, then wait a day and check the quality to make sure it is satisfactory.

If you want to check the print position or color before printing on your actual CD or DVD, see "Adjusting the Print Position" on page 70 or "Adjusting the Print Density" on page 74.

1. Turn on the printer.

   Note: Before you insert a CD or DVD, make sure the printer is turned on. Otherwise, the disc may not be positioned correctly.

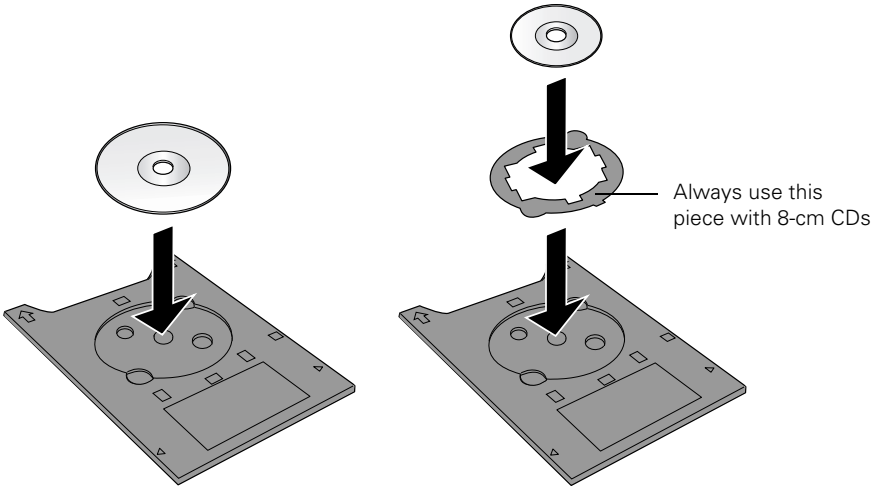
2. Remove any paper from the sheet feeder, then push in the paper support extension and close the paper support.
3. Push in the output tray extensions, but leave the tray open.
4. Lift the output tray as shown below, then place one hand on the top of the printer and pull up on the output tray until it stops. Lay the tray down in the upper position.



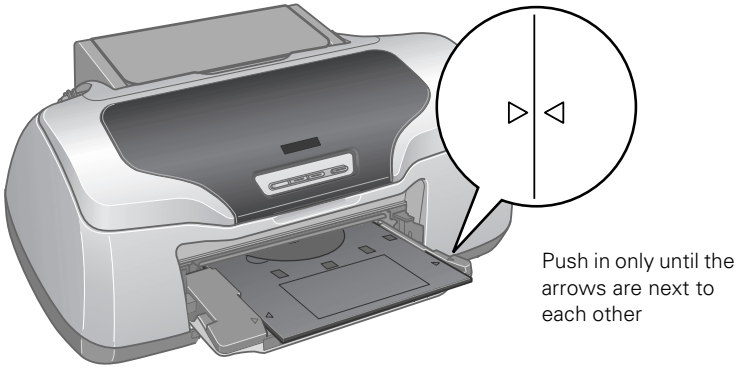
5. Place the CD or DVD on the CD tray with the white or printable side face-up.

   To print on a small CD (8 cm), place the small CD ring on the tray first, then place the CD inside the ring.

   Caution: Make sure you always use the small CD ring when printing 8-cm CDs and that the CD and ring lay flat on the tray; otherwise the printer may be damaged.



6. Slide the tray into the tray guides in the output tray. Push in the guide until the arrows on the tray and the tray guide are next to each other, as shown below.



7. Press the paper button to load the CD or DVD into printing position. It is loaded when the power button stops flashing.
8. Follow the instructions in the next section to design your CD or DVD.

Designing CDs and DVDs

You can use Epson Print CD to create and print a disc design with images and text.

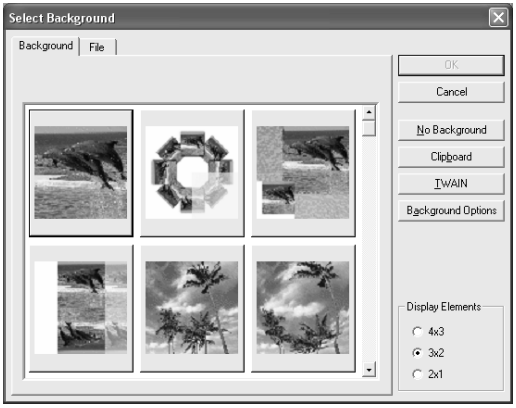
1. Start Epson Print CD.

   Windows: Click Start > Programs or All Programs > EPSON Print CD > EPSON Print CD.

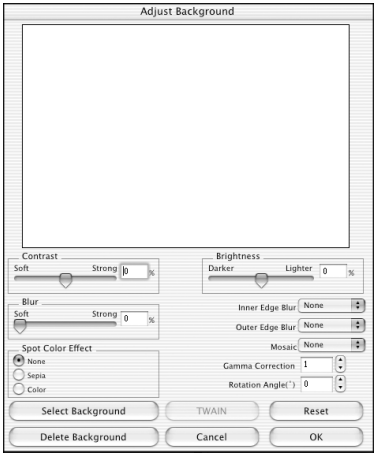
   Mac OS X: Open the Applications folder, then open the EPSON Print CD folder and select EPSON Print CD.

   Mac OS 8.6 to 9.x: Open the EPSON Print CD folder and double-click EPSON Print CD.

2. Click the or background icon. You see a window like the following:



Windows



Macintosh

3. To select a background image, do one of the following:

   - **Windows:** Click the File tab, then click Browse to locate the folder where your images are stored and click OK. You see thumbnail images of all the files in the folder. Select your image and click OK.
   - **Macintosh:** Click Select Background, locate the folder where your images are stored, select the one you want, and click Open.

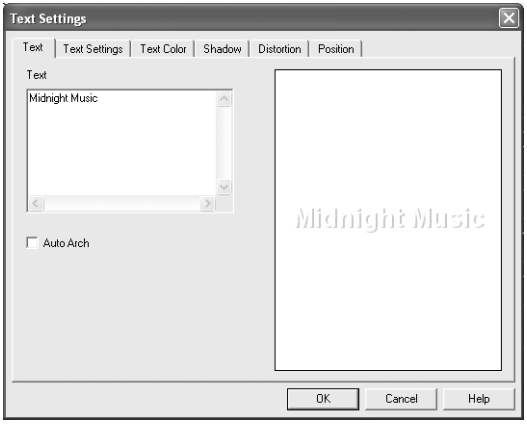
   Note: In Windows, if you have already chosen a background, you see a different screen. Click Select Image to choose a new background.

4. To modify the template or enhance your background image, click the or background icon, if necessary. You can adjust the brightness, contrast, and gamma, or apply mosaic, blur, or special color effects, as follows:

   - **Windows**: Click the Image Adjustment button, then click the Image Adjustment tab. When you finish making adjustments, click OK.
   - **Macintosh**: Use any of the available editing features. Then click OK.

5. To add text, do one of the following:

   - **Windows**: Click the text button. Enter your text, use the tabs to apply formatting and special effects, and click OK. (To open the window again, double-click any block of text.)
   - **Macintosh**: Click the text button. In the Text Settings window, type your text, then use any of the options in the window to format it. You can also use options in the Color Settings and Object Settings windows.



Windows

Macintosh

6. To curve a single line of text, click the text in the main window, then drag the red "handle" up or down. Then adjust it using the other handles that appear.
7. When you're finished, choose Save as from the File menu to save your file.

Note: To check your design, you can print it on a sheet of plain paper before loading and printing on a CD or DVD. Load plain paper in the printer and select Plain Paper as you follow the instructions in "Printing Your Design" on page 67.

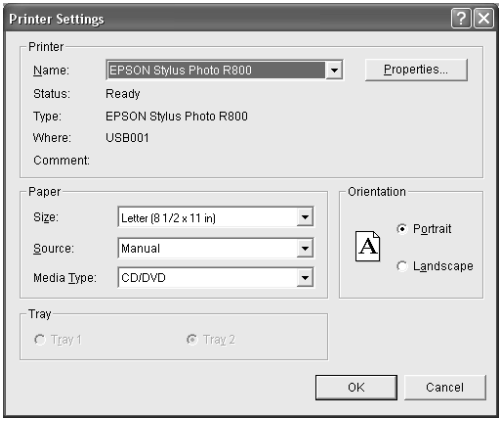
Printing Your Design

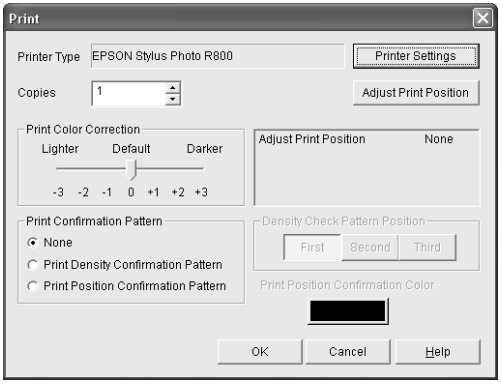
After you have loaded a CD or DVD and created your design, you're ready to print. Follow the steps for your operating system below.

Caution: Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your disc. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing on discs.

Windows

1. Open the File menu and select Printer Settings.
2. Make sure these settings are selected:
   - EPSON Stylus Photo R800 as the Name
   - Letter as the Size
   - Manual as the Source
   - CD/DVD as the Media Type
3. Click OK.
4. Open the File menu and select Print.
5. Click OK. The printer prints your CD and ejects it on the tray.



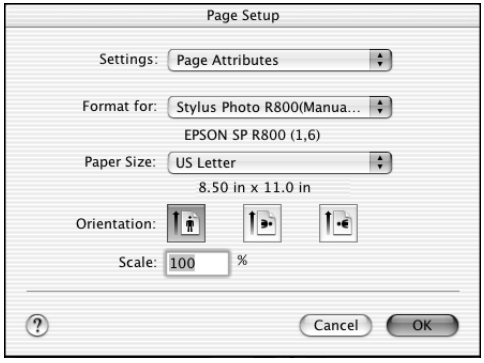


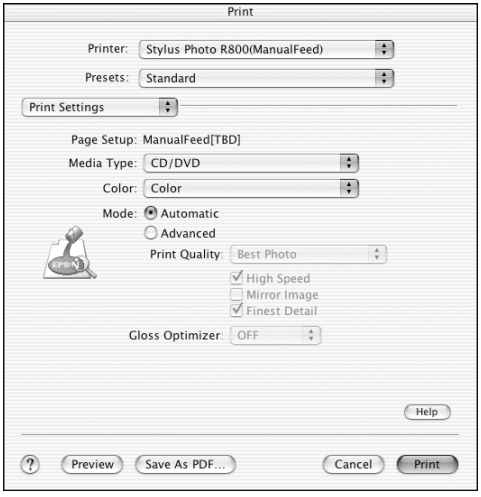
Note: After you print, handle the CD or DVD carefully. To allow the ink to dry fully, wait at least 24 hours before playing the disc or inserting it in a drive. Keep printed discs away from moisture and direct sunlight.

If you need to adjust the print position or color, see “Adjusting the Print Position” on page 70 or “Adjusting the Print Density” on page 74.

Macintosh OS X

1. Open the File menu and select **Page Setup**.
2. Make sure **Stylus Photo R800(Manual Feed)** is selected as the Format for option and the Paper Size is set to **US Letter**.
3. Click **OK**.
4. Open the File menu and select **Print**.
5. Select these print settings:
   - **Stylus Photo R800(Manual Feed)** as the Printer
   - **Print Settings** from the pull-down menu
   - **CD/DVD** as the Media Type
6. Click **Print**. The printer prints your CD and ejects it on the tray.



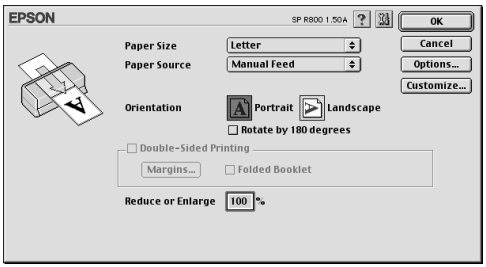


Note: After you print, handle the CD or DVD carefully. To allow the ink to dry fully, wait at least 24 hours before playing the disc or inserting it in a drive. Keep printed discs away from moisture and direct sunlight.

If you need to adjust the print position or color, see “Adjusting the Print Position” on page 70 or “Adjusting the Print Density” on page 74.

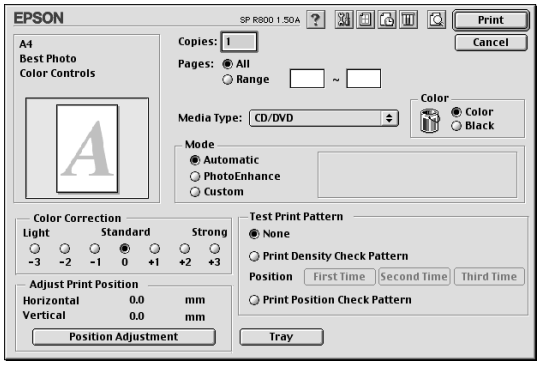
Macintosh 8.6 to 9.x

1. Open the File menu and select Page Setup.
2. Make sure SP R800 appears at the top of the screen and these settings are selected:
   - Letter as the Paper Size
   - Manual Feed as the Paper Source
3. Click OK.



4. Open the File menu and select Print.
5. Select CD/DVD as the Media Type setting.
6. Click Print. The printer prints your CD and ejects it on the tray.

   Note: After you print, handle the CD or DVD carefully. To allow the ink to dry fully, wait at least 24 hours before playing the disc or inserting it in a drive. Keep printed discs away from moisture and direct sunlight.



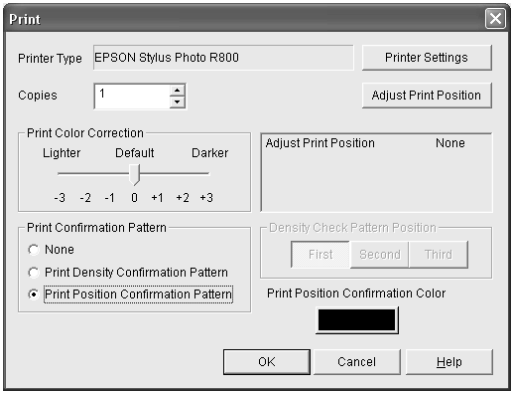
If you need to adjust the print position or color, see "Adjusting the Print Position" on page 70 or "Adjusting the Print Density" on page 74.

Adjusting the Print Position

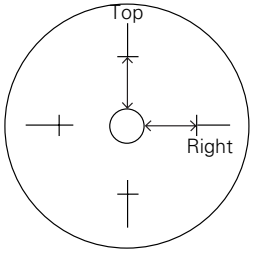
If your printed images and text are not positioned the way you want, you may need to adjust the print position. Use the blank cardboard check disk included with your printer or an extra CD. You can also use these steps to check the print position before you print on a CD or DVD.

Windows

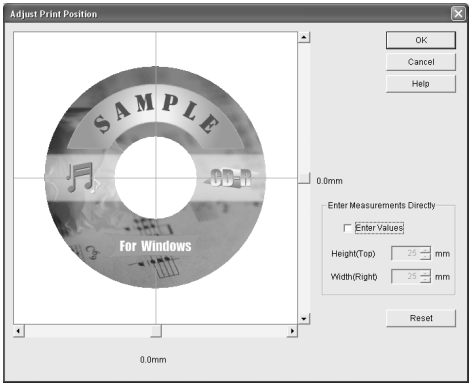
1. Place the cardboard check disk (or an extra CD) on the CD tray and insert it into the printer, as described on page 63.
2. Start Epson Print CD.
3. Select Print from the File menu.
4. Click the Printer Settings button.
5. Make sure your printer is selected and the Source is set to Manual, then click OK.
6. Click the Print Position Confirmation Pattern button.
7. Click OK. The confirmation pattern is printed on the check disc or CD and the printer ejects it.



8. Remove the check disk or CD and measure the distance from the edge of the hole to the small cross marks labeled Top and Right. You'll need a metric ruler with millimeters for accurate measurements.



9. Open the File menu and select **Adjust Print Position**. You see a screen like this:



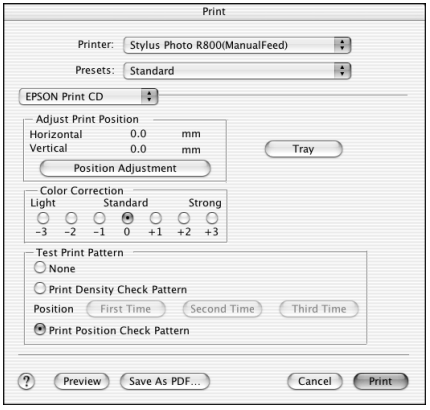
10. Make sure **Enter Values** is checked.
11. Enter the **Top** distance in the **Height (Top)** box. Enter the **Right** distance in the **Width (Right)** box.
12. Click **OK** to save the measurements.

Macintosh OS X

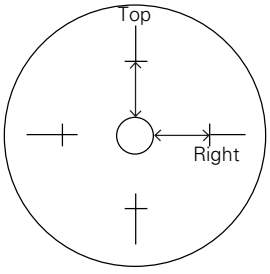
1. Place the cardboard check disk (or an extra CD) on the CD tray and insert it into the printer, as described on page 63.
2. Start Epson Print CD.
3. Open the File menu and select **Page Setup**.
4. Make sure **Stylus Photo R800(Manual Feed)** is selected as the Format for option and the Paper Size is set to **US Letter**.
5. Click **OK**.
6. Open the File menu and select **Print**.
7. Select these print settings:
   - **Stylus Photo R800(Manual Feed)** as the Printer
   - **Print Settings** from the pull-down menu
   - **CD/DVD** as the Media Type

8. Select EPSON Print CD from the pull-down menu.
9. Select Print Position Check Pattern.
10. Click Print, then click OK on the next screen.

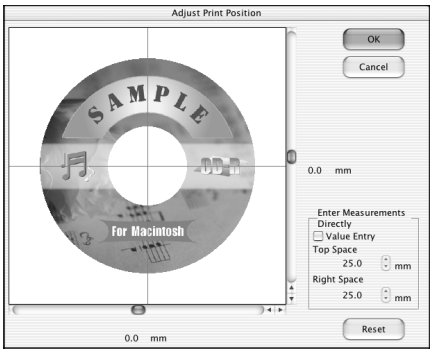
    The confirmation pattern is printed on the check disc or CD and the printer ejects it.



11. Remove the check disk or CD and measure the distance from the edge of the hole to the small cross marks labeled Top and Right. You'll need a metric ruler with millimeters for accurate measurements.



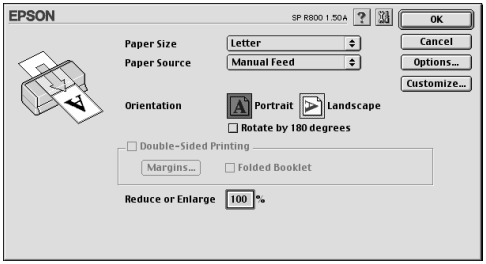
12. Open the File menu and select Adjust Print Position. You see a screen like this:
13. Make sure Value Entry is checked.
14. Select the Top distance as the Top Space setting and the Right distance as the Right Space setting.
15. Click OK to save the measurements.



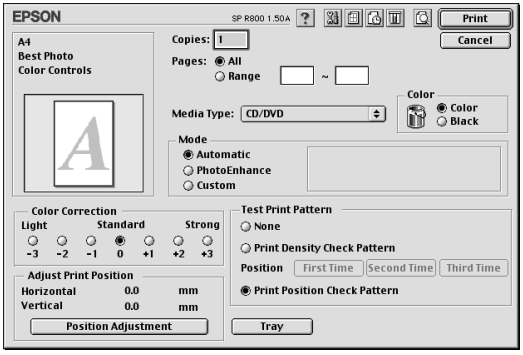
Macintosh 8.6 to 9.x

1. Place the cardboard check disk (or an extra CD) on the CD tray and insert it into the printer, as described on page 63.
2. Start Epson Print CD.

3. Open the File menu and select **Page Setup**.
4. Make sure **SP R800** appears at the top of the screen and these settings are selected:
   - **Letter** as the Paper Size
   - **Manual Feed** as the Paper Source

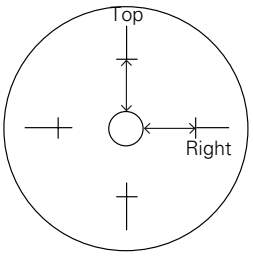


5. Click **OK**.
6. Open the File menu and select **Print**.
7. Select **CD/DVD** as the Media Type setting.
8. Select **Print Position Check Pattern**.
9. Click **Print**, then click **OK** on the next screen.

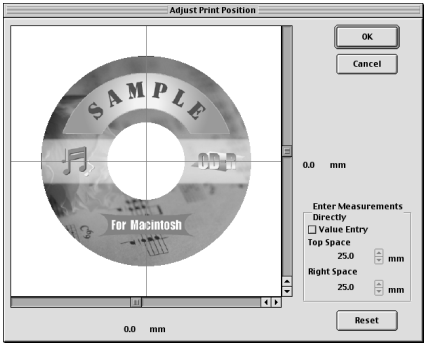


The confirmation pattern is printed on the check disc or CD and the printer ejects it.

10. Remove the check disk or CD and measure the distance from the edge of the hole to the small cross marks labeled **Top** and **Right**. You'll need a metric ruler with millimeters for accurate measurements.



11. Open the File menu and select **Adjust Print Position**. You see a screen like this:
12. Make sure **Value Entry** is checked.
13. Select the **Top** distance as the **Top Space** setting and the **Right** distance as the **Right Space** setting.
14. Click **OK** to save the measurements.



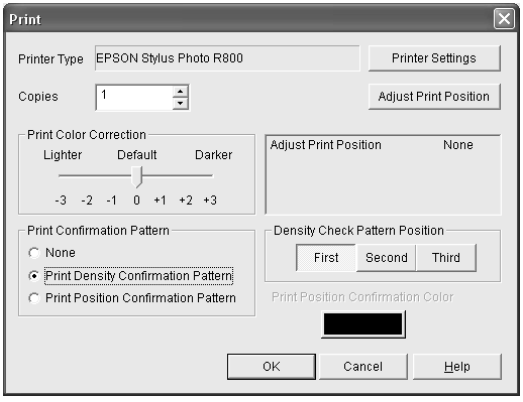
Adjusting the Print Density

If ink smears on your printed CDs or DVDs, you may need to adjust the color saturation or ink density. Discs from different manufacturers absorb ink differently, so you may need to adjust the density for each type of disc. Follow the instructions here to print a color saturation check pattern and make adjustments as necessary.

> **Note:** You can also use the Brightness and Contrast settings in Epson Print CD to adjust color saturation. See page 66 for instructions.

Windows

1. Insert a test CD or DVD for printing, as described on page 63.
2. Start Epson Print CD.
3. Select Print from the File menu.
4. Click the Printer Settings button.
5. Make sure your printer is selected and the Source is set to Manual, then click OK.
6. Click the Print Density Confirmation Pattern button.
7. Click OK.
8. After the pattern is printed, select Print from the File menu.



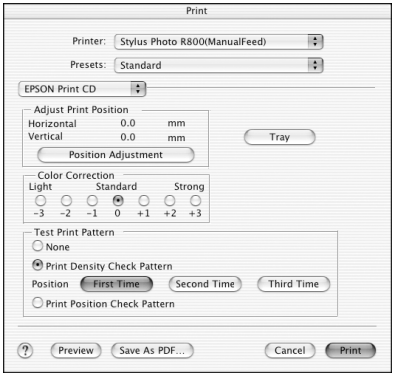
9. Examine the print and adjust the Print Color Correction slider to a lighter or darker setting as necessary.
10. You can print three density patterns on one disc, each in a different location.

    Insert the disc again and press the paper button. Then click the Second button and click OK to print the second pattern.

    If you print a third pattern, repeat steps 8 to 10, but select the Third button.
11. Remove the CD or DVD and let it dry for at least 24 hours. Then check the saturation levels again.

Macintosh OS X

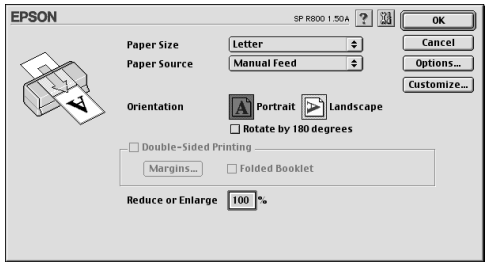
1. Insert a test CD or DVD for printing, as described on page 63.
2. Start Epson Print CD.
3. Open the File menu and select Page Setup.
4. Make sure Stylus Photo R800(Manual Feed) is selected as the Format for option and the Paper Size is set to US Letter.
5. Click OK.
6. Open the File menu and select Print.
7. Select these print settings:
   - Stylus Photo R800(Manual Feed) as the Printer
   - Print Settings from the pull-down menu
   - CD/DVD as the Media Type
8. Select EPSON Print CD from the pull-down menu.
9. Click Print Density Check Pattern.
10. Click Print.
11. After the pattern is printed, select Print from the File menu again.
12. Select EPSON Print CD from the pull-down menu.



13. Examine the print and adjust the Color Correction slider to a lighter or darker setting as necessary.
14. You can print three density patterns on one disc, each in a different location. Insert the disc again and press the paper button.
15. Repeat steps 10 to 14. Then click Print Density Check Pattern and click the Second Time button to print the second pattern. If you want to print a third pattern, repeat steps 10 to 14 again, but select the Third Time button.
16. Remove the CD or DVD and let it dry for at least 24 hours. Then check the saturation levels again.

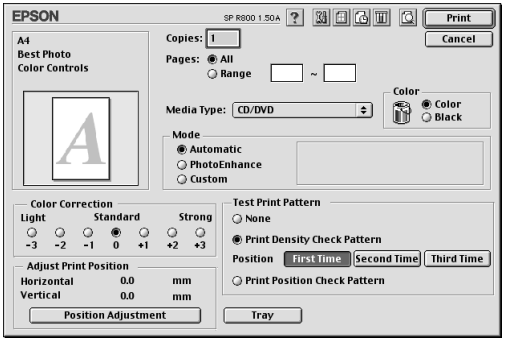
Macintosh 8.6 to 9.x

1. Insert a test CD or DVD for printing, as described on page 63.
2. Start Epson Print CD.
3. Open the File menu and select **Page Setup**.
4. Make sure **SP R800** appears at the top of the screen and these settings are selected:
   - **Letter** as the Paper Size
   - **Manual Feed** as the Paper Source



5. Click **OK**.
6. Open the File menu and select **Print**.
7. Select **CD/DVD** as the Media Type setting.
8. Click the **Print Density Check Pattern** button.
9. Click **Print**.
10. After the pattern is printed, select **Print** from the File menu.
11. Examine the print and select a lighter or darker **Color Correction** button as necessary.
12. You can print three density patterns on one disc, each in a different location.

    Insert the disc again and press the paper button.



13. Repeat steps 9 to 12. Then click **Print Density Check Pattern** and click the **Second Time** button to print the second pattern. If you want to print a third pattern, repeat steps 9 to 13, but select the **Third Time** button.
14. Remove the CD or DVD and let it dry for at least 24 hours. Then check the saturation levels again.

Maintaining Your Printer

Follow the instructions in this chapter to keep your printer working at its best and to prepare it for moving, if necessary:

- "Cleaning the Print Head" below
- "Replacing an Ink Cartridge" on page 80
- "Aligning the Print Head" on page 85
- "Cleaning the Printer" on page 87
- "Transporting the Printer" on page 88

Cleaning the Print Head

If your printouts are unexpectedly light, or dots or lines are missing, you may need to clean the print head. This unclogs the nozzles so they can deliver ink properly. Print head cleaning uses ink, so clean it only if quality declines.

> **Caution:** When you don't turn on your printer for a long time, print quality can decline, so turn it on at least once a month to maintain good print quality.

This section explains how to clean the print head using the Auto Nozzle Check and Cleaning utility and the Head Cleaning utility.

> **Note:** You can also clean the print head by holding down the ◊ ink button on the printer for three seconds (when the red ◊ ink light is off).

Automatically Checking and Cleaning the Print Head

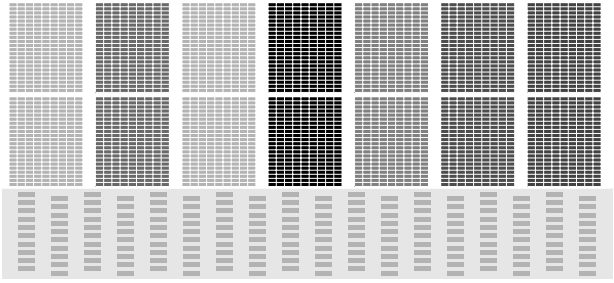
The Auto Nozzle Check and Cleaning utility prints a nozzle check pattern that the printer then reads to see if you have any clogged nozzles. If cleaning is needed, the printer automatically cleans the print head.

1. Make sure the printer is turned on but not printing, and the red ◊ ink light is off. (If the ◊ ink light is flashing or on, you need to replace a cartridge; see page 80.)
2. Load several sheets of plain, letter-size paper in the printer's sheet feeder.
3. Do one of the following:

   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Auto Head Cleaning.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R800, click OK, and select Auto Nozzle Check and Cleaning.

   Mac OS 8.6 to 9.x: Choose File > Page Setup or Print. Click the utility icon, then click Auto Nozzle Check and Cleaning.
4. Follow the instructions on the screen. The printer prints and examines the nozzle check pattern shown below. If cleaning is necessary, it then cleans the print head and prints and checks another nozzle check pattern.



5. The utility prints and checks up to five times. If some print head nozzles are still clogged, it displays an on-screen message telling you to manually clean the print head. Follow the instructions on page 79 to clean the print head, if necessary.

If you still have print quality problems, check the solutions beginning on page 95. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then try cleaning the print head again.

Running the Head Cleaning Utility

1. Make sure the printer is turned on but not printing, and the red ink light is off. (If the ink light is flashing or on, you need to replace a cartridge; see page 80.)
2. Do one of the following:

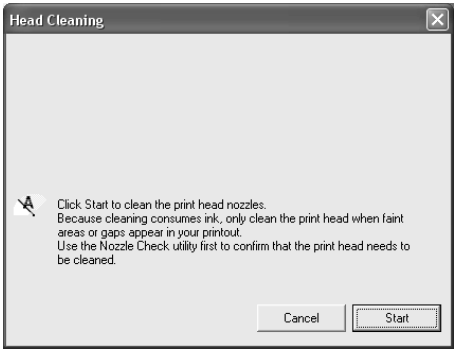
   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Head Cleaning.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R800 in the printer list, click OK, and select Head Cleaning.

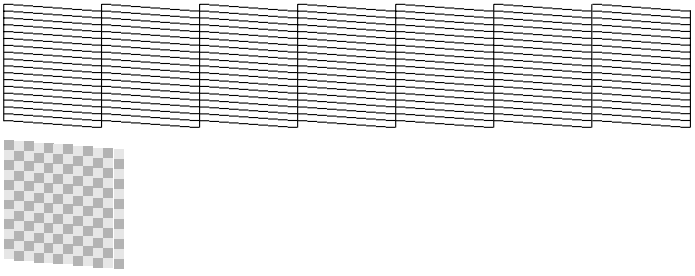
   Mac OS 8.6 to 9.x: Choose File > Page Setup or Print. Click the utility icon, then click Head Cleaning.
3. Follow the instructions on the screen to clean the print head.

   Cleaning takes about two minutes, during which the printer makes noise and the green power light flashes.

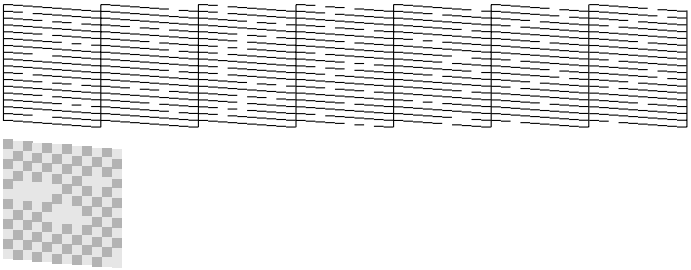
   Caution: Never turn off the printer while the green power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.


Head Cleaning
Click Start to clean the print head nozzles.
Because cleaning consumes ink, only clean the print head when faint areas or gaps appear in your printout.
Use the Nozzle Check utility first to confirm that the print head needs to be cleaned.
Cancel
Start

4. When the green power light stops flashing, make sure paper is loaded in the printer. Click Print nozzle check pattern, then click Print (Windows) or click Confirmation, then click Next (Macintosh). The nozzle check pattern prints.
5. If the nozzle check pattern has no gaps or lines (as shown below), click Finish.



If the pattern has white lines or gaps (as shown below), click Clean to clean the print head again.

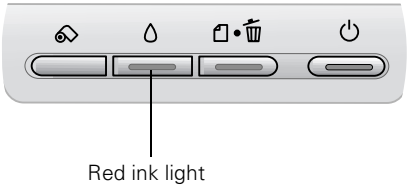


If you don't see any improvement after cleaning three or four times, check the solutions beginning on page 95. You can also turn the printer off and wait overnight—this allows any dried ink to soften—and then clean the print head again.

Replacing an Ink Cartridge

When the red ◊ ink light flashes, an ink cartridge is low on ink.

When the red ◊ ink light stays on, you need to replace a cartridge.



When a cartridge is more than six months old, you may need to replace it if printouts don't look their best. If the quality doesn't improve after cleaning and aligning the print head, you can replace the cartridge even if the red ◊ ink light is off.

Caution: Don't open Epson Status Monitor or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing.

Checking the Ink Supply

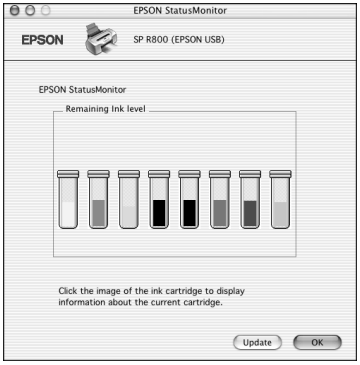
To check your ink supply, do one of the following:

- **Windows**: Double-click the icon on the Windows taskbar. You see a window like this:

EPSON Status Monitor 3 : EPSON Stylus Photo R800
Ready
Ready to print.
OK
Ink Levels
There is enough black and color ink remaining to print over 100 pages like the last page printed.
Information
Buy Ink
Online Support

- **Macintosh**:

  OS X: Choose Applications > EPSON Printer Utility > SP R800 > EPSON StatusMonitor.



  OS 8.6 to 9.x: Choose File > Print, then click the ink icon.

  You see a window like this:

  Click a cartridge image to display information about the cartridge.

Purchasing Ink Cartridges

Use these Epson ink cartridges within six months of installing them and before the expiration date on the package:

Ink cartridge	Part number
Yellow	T054420
Magenta	T054320
Cyan	T054220
Matte Black	T054820
Photo Black	T054120
Red	T054720
Blue	T054920
Gloss Optimizer	T054020

Caution: To ensure good results, use genuine Epson ink cartridges and do not refill them. Other products may cause damage to your printer not covered by Epson's warranty.

When you need new ink cartridges, contact your dealer, or call the Epson Store℠ at (800) 873-7766 or visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Ink Cartridge Precautions

Warning: Keep ink cartridges out of the reach of children.

If ink gets on your hands, wash them thoroughly with soap and water. If ink gets in your eyes, flush them thoroughly with water.

Caution: To avoid damaging the printer, never move the print head by hand.

You cannot print if an ink cartridge is empty. Leave the empty cartridge installed in the printer until you have obtained a replacement. Otherwise the ink remaining in the print head nozzles may dry out.

Removing and Installing Ink Cartridges

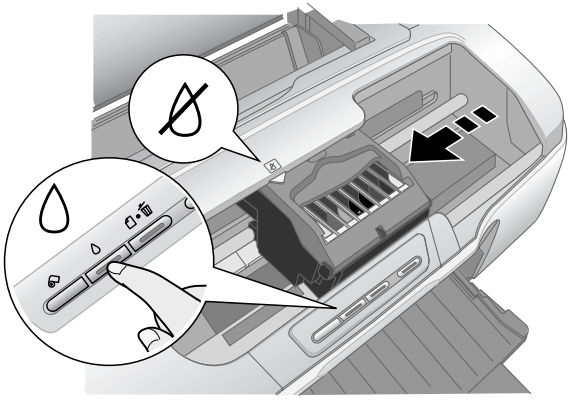
Be sure you have a new ink cartridge before you begin. Once you start replacing a cartridge, you must complete all the steps in one session.

You can replace a cartridge whether the red ink light is off, flashing, or on.

1. Make sure the printer is turned on (the green power light should be on, but not flashing). Then open the printer cover.
2. Press the ink button.

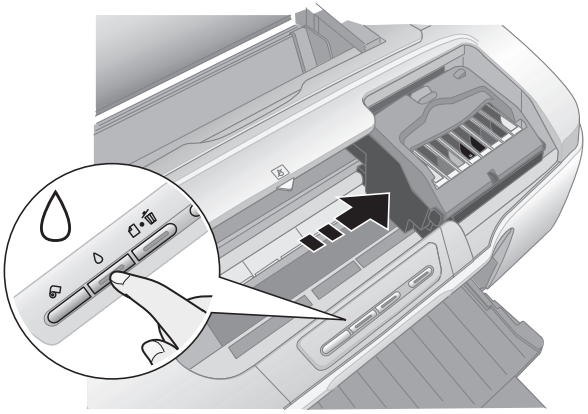
   The print head moves and the green power light flashes.
3. If the red ink light is off, the print head moves to the replacement position. Go to step 5.

If the red ◊ ink light is flashing or on (indicating a low or empty cartridge), the print head moves to the ⊘ position on the printer. The cartridge directly beneath the ⊘ mark needs to be replaced. Make a note of which cartridge it is.



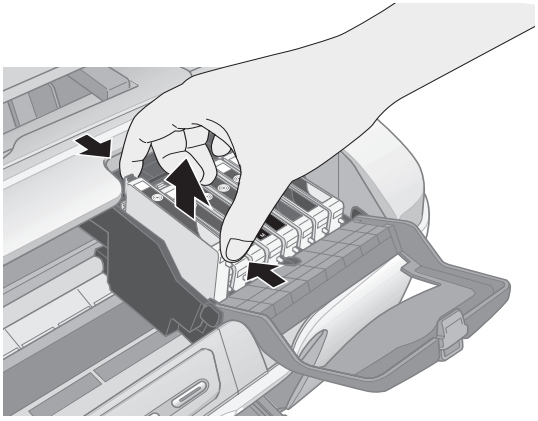
4. Press the ◊ button again. If another cartridge is low or empty, the print head moves it to the ⊘ mark again. Make a note of this cartridge too and repeat this step.

   If no other cartridges are low or empty, the print head moves to the replacement position when you press the ◊ button.

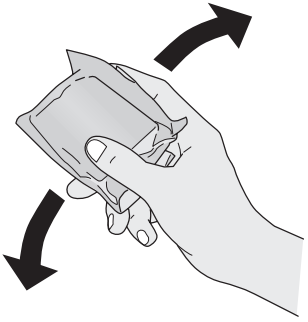


5. Lift up the cartridge cover.

6. Press in the tab on the back of the cartridge, lift it out of the printer, and dispose of it carefully.



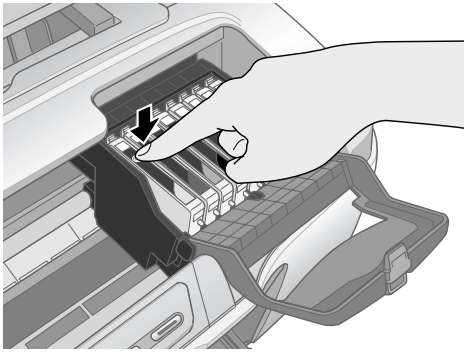
7. Shake the new cartridge four or five times before opening its package. (Don't shake it after it's unpacked.)



8. Remove the new cartridge from its package.

   Caution: Don't touch the green circuit board on the front of the cartridge; you may inhibit normal operation and printing.

9. Slide the new cartridge into its slot. The side with the green circuit board goes in the front of the slot.
10. Press the cartridge down until it clicks into place.



11. If you need to replace any other ink cartridges, repeat steps 6 through 10 before continuing with step 12.
12. Close the cartridge cover, then close the printer cover.
13. Press the ◊ ink button. The printer begins charging the ink delivery system.

    The green ⏻ power light and red ◊ ink lights flash and the printer makes noise. Charging takes about 90 seconds. When it's finished, the green ⏻ power light stops flashing and stays on, and the red ◊ ink light goes out.

    Caution: Never turn off the printer while the green ⏻ power light is flashing, unless the printer hasn't moved or made noise for more than 5 minutes.

Aligning the Print Head

If your printouts contain misaligned vertical lines, or you see light or dark horizontal banding, you may need to align the print head. You can have the printer automatically check and align the print head or you can check and adjust the alignment yourself.

Automatically Aligning the Print Head

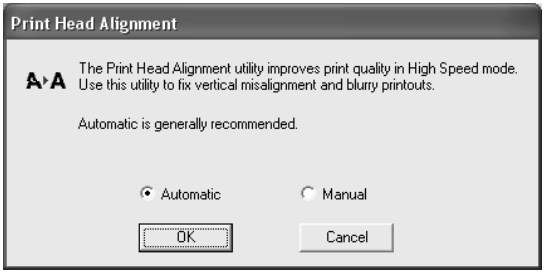
1. Turn on the printer.
2. Load plain, letter-size paper.
3. Do one of the following:

   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Print Head Alignment.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R800 in the printer list, click OK, and select Print Head Alignment.

   Mac OS 8.6 to 9.x: Choose File > Page Setup or Print. Click the utility icon, then select Print Head Alignment.

You see a screen like this:


Print Head Alignment
The Print Head Alignment utility improves print quality in High Speed mode. Use this utility to fix vertical misalignment and blurry printouts.
Automatic is generally recommended.
Automatic
Manual
OK
Cancel

4. Click the Automatic button, if necessary, then click OK.
5. On the next screen, click Start. The printer then prints and checks an alignment pattern. It then prints and checks two more patterns.
6. When alignment is finished, click Finish on the last screen.

Manually Aligning the Print Head

1. Turn on the printer.
2. Load plain, letter-size paper.
3. Do one of the following:

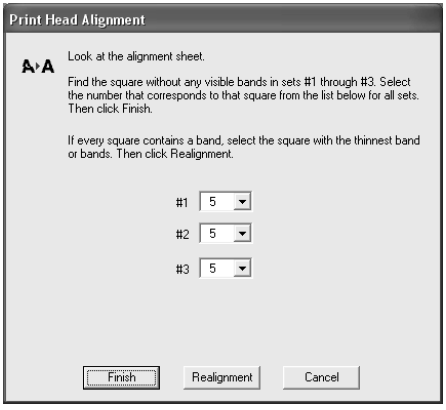
   Windows: Right-click the icon on your taskbar (in the lower right corner of your screen). Select Print Head Alignment.

   Mac OS X: Open the Applications folder and select EPSON Printer Utility. Select SP R800 in the printer list, click OK, and select Print Head Alignment.

   Mac OS 8.6 to 9.x: Choose File > Page Setup or Print. Click the utility icon, then select Print Head Alignment.

4. Click the Manual button, then click OK.

   You see a screen like this as the printer prints an alignment check pattern:


Print Head Alignment
Look at the alignment sheet.
Find the square without any visible bands in sets #1 through #3. Select the number that corresponds to that square from the list below for all sets. Then click Finish.
If every square contains a band, select the square with the thinnest band or bands. Then click Realignment.
#1 5
#2 5
#3 5
Finish
Realignment
Cancel

5. On the check page, select the box in each pattern that has the least noticeable lines in it. You may need to use a magnifying glass or loupe.

   Select one box each for pattern numbered 1 through 3. Then enter the box number for each pattern in the boxes on the screen.

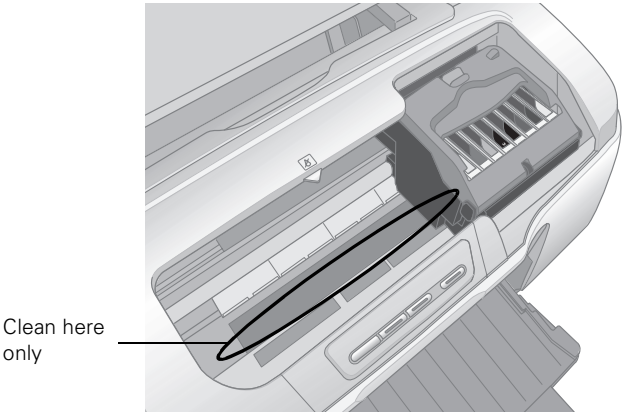
If box #5 is *not* the best-aligned box in each pattern, click Realignment to print another test page and repeat this step.

6. When box #5 is the best-aligned in all the patterns, click Finish.

Cleaning the Printer

To keep your printer working at its best, you should clean it several times a year.

1. Turn off the printer, unplug the power cord, and disconnect the interface cable.
2. Remove all the paper, then use a soft brush to clean the paper feeders.
3. Clean the exterior of the printer with a soft, damp cloth. Keep the paper support and printer cover closed as you clean the printer.
4. If you need to clean ink out of the inside of the printer, use a soft cloth to clean only the black plastic area shown below:



Warning: Don't touch the gears or rollers inside the printer.

Caution: Never use a hard or abrasive brush, or benzine, alcohol, or thinner for cleaning; they can damage the printer components and case.

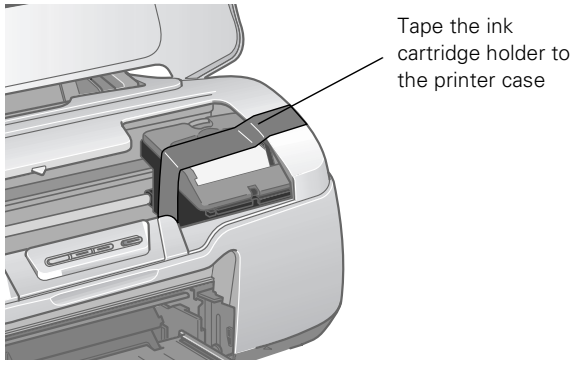
Don't get water on the printer components and don't spray or apply lubricants or oils inside the printer.

Transporting the Printer

If you move your printer some distance, you need to remove the ink cartridges and prepare it for transportation in its original box or a similar one. Follow these steps:

1. Turn on the printer and press the ◊ ink button to move the ink cartridges into loading position.
2. Follow the steps on page 83 to open the ink cartridge cover and remove all of the ink cartridges. Pack each cartridge separately in a sealable plastic bag.
3. Close the cartridge cover and press the ◊ ink button. The red ◊ ink light comes on. Wait until the ink cartridge holder locks in the far right position.
4. Turn off the printer and unplug the power cord from the electrical outlet. Then disconnect the printer cable from the printer.
5. Open the printer cover and tape the ink cartridge holder to the printer case using packing tape. Then close the printer cover.

   Caution: Be sure to remove the tape after installing the printer in its new location.



6. Remove any paper from the printer, then remove the roll paper holder, if it is installed.
7. Close the output tray and the paper support.
8. Repack the printer and its attachments in the original box using the protective materials that came with them.
9. Keep the printer level as you transport it.
10. After transporting the printer, remove all the tape and replace your ink cartridges, as described on page 80.
11. Test your printer. If you notice a decline in print quality, clean the print head (see page 77); if output is misaligned, align the print head (see page 85).

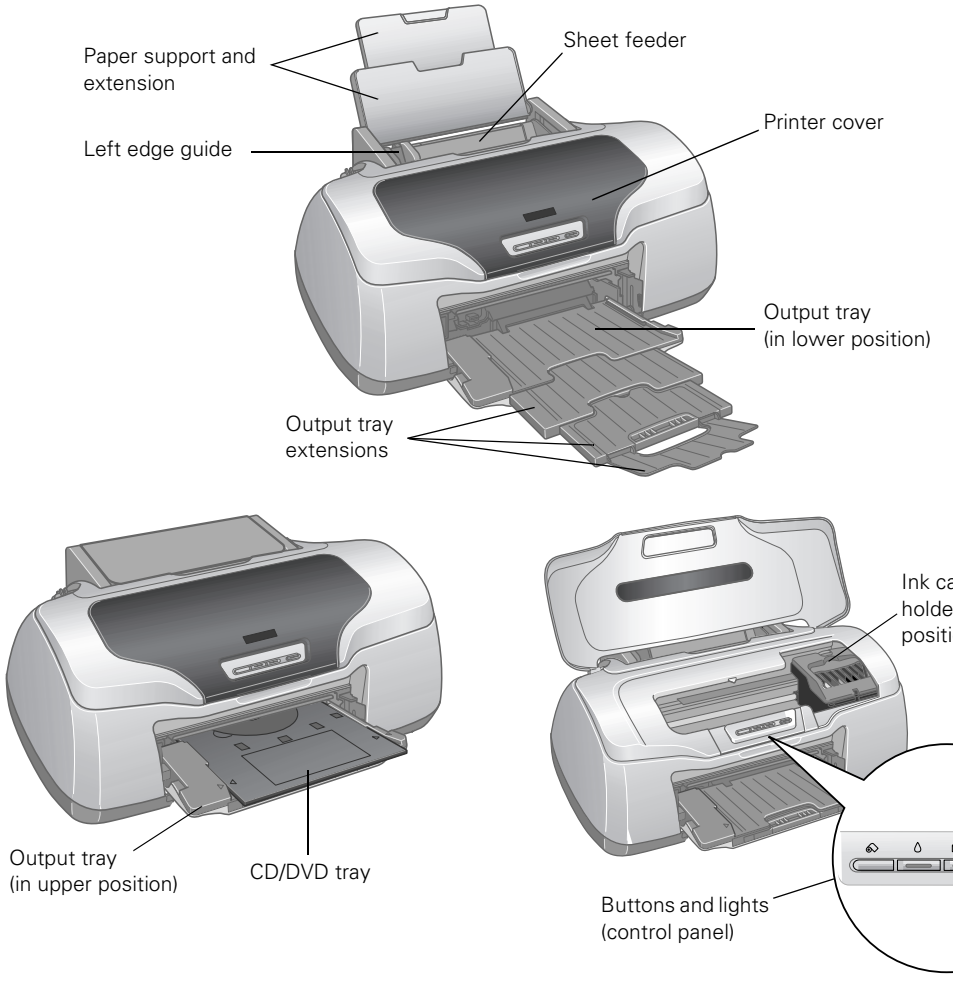
Solving Problems

See “Diagnosing Printer Problems” on page 91 to help determine what the cause of your printer problem may be. Then see these sections for solutions:

- “Setup and Software Installation Problems” on page 93
- “Printer Problems” on page 94
- “Quality Problems” on page 95
- “Paper Problems” on page 97
- “CD/DVD Problems” on page 99
- “Miscellaneous Problems” on page 99
- “Uninstalling and Reinstalling Printer Software” on page 101
- “Where To Get Help” on page 102

Tip: It’s a good idea to check Epson’s support web site periodically for free updates to your printer driver. Visit http://support.epson.com. Download instructions are posted for your convenience.

Printer Parts



Diagnosing Printer Problems

First, check the printer's lights (see below) or run a printer check (see page 92).

Lights	Explanation
Green ⏻ power light flashes	The printer is receiving a print job, printing, replacing an ink cartridge, charging ink, or cleaning the print head.
Red 🗎 paper light on	Your paper ran out, multiple sheets fed, or the wrong size sheet fed, or the CD/DVD tray is not inserted completely. ■ **Sheet Feeder**: If paper is out, load more paper and press the 🗎 paper button. If multiple sheets or the wrong size sheet fed, press the 🗎 paper button to eject the paper, then turn your printer off and then on. For loading instructions, see page 13. ■ **Roll Paper**: See page 16 for instructions on loading or reloading roll paper. ■ **CD/DVD**: See page 63 for instructions on inserting the CD/DVD tray correctly.
Red 🗎 paper light flashes	Jammed paper or the CD/DVD tray is blocking print head movement, or you're trying to print on paper or a CD/DVD with the wrong media loaded. If you suspect a paper jam, turn off the printer and pull out the jammed paper. Open the cover and remove any jammed or torn paper. Then do one of the following: ■ **Sheet Feeder**: Turn on the printer, reload paper, and press the 🗎 paper button. ■ **Roll Paper**: Cut off the printed portion, then remove the paper (see page 35) and reload it (see page 16). ■ **CD/DVD**: Gently pull out the CD/DVD tray and press the 🗎 paper button. See page 63 for instructions on inserting the CD/DVD tray correctly. If you suspect that you sent a print job to one paper path, but have media loaded only for another paper path, load the correct paper or a CD/DVD.
Red 💧 ink light flashes	An ink cartridge is low on ink. Make sure you have a replacement cartridge, then follow the steps on page 82 to install it.

Lights	Explanation
Red ink light on	An ink cartridge is out of ink, not installed, not installed correctly, or is not compatible with the printer. Follow the steps on page 82 to install or reinstall the cartridge correctly.
Red paper light flashes Red ink light flashes	The printer cover is open. Close the printer cover.
Green power light is on Red paper light flashes Red ink light flashes	Jammed paper or a foreign object is preventing the print head from returning to home position. Turn off the printer, open the printer cover, and remove any jammed or torn paper, or foreign object. Then turn the printer back on. If the error persists, contact your dealer or Epson; see page 102.
Green power light flashes Red paper light flashes Red ink light flashes	An unknown printer error has occurred. Turn off the printer, wait a few seconds, and turn it on again. If the lights are still flashing, contact your dealer or Epson; see page 102.

Running a Printer Check

You can run a printer check to determine whether a problem comes from the printer or some other source.

1. Turn off your printer and computer, then disconnect the printer's interface cable.
2. Load letter-size paper in the sheet feeder.
3. Hold down the paper button, then press and release the power button. Continue to hold down the paper button until the power light flashes.
4. A test page prints the printer's ROM version number and a nozzle check pattern.
   - If the check page prints, the problem probably lies in your software settings, interface cable, or computer, or your software may not be installed correctly.
   - If the check page doesn't print, you may have a problem with your printer.

   Try the suggestions in "Problems and Solutions" beginning on page 93.
5. Turn off the printer, connect the interface cable, and turn on your printer and computer.

Problems and Solutions

Setup and Software Installation Problems

The printer makes noise after ink cartridge installation.

- When you install ink cartridges, the printer must charge its print head for about two and a half minutes. Wait until it's finished (the green ⏻ power light stops flashing) before you turn off the printer, or it may use excess ink the next time you turn it on.
- Make sure the ink cartridges are inserted completely, the ink cover is closed, and no packing material remains in the printer. Turn off the printer, wait a moment, then turn it back on to clear the error.

You're having problems installing or using the printer software.

- Make sure your printer is turned on and its cable is securely connected at both ends. Follow the installation steps on the *Start Here* sheet, and make sure your system meets the requirements on page 103.
- Close other programs, including screen savers and virus protectors, and install again.
- Make sure you added all your printer features to Macintosh OS X Print Center. See the *Start Here* sheet for instructions.
- If the SP R800 icon doesn't appear in the Macintosh Chooser, you may have too many items in the Chooser. Delete any unused items.
- If you see an error message with Windows 2000, you may not have software installation privileges. Contact your System Administrator.
- If you're using Windows and the USB port, make sure your system was not upgraded from Windows 95; the USB driver may not install correctly.
- If you're printing over a network, see your on-screen *Reference Guide* for instructions on configuring your printer for use on a network.
- In Windows, make sure your printer is selected as the default printer in the Printers utility.

Printer Problems

Only the green ⏻ power light is on, but nothing prints.

- Make sure the interface cable is securely connected at both ends and meets the system requirements on page 103.
- Run a printer check as described on page 92. If the test page prints, make sure your software is installed correctly.
- If you're printing on a network, make sure you set up your printer for network printing, as described in your on-screen *Reference Guide*.

The printer sounds as though it is printing, but nothing prints.

- The print head may need cleaning; see page 77 for instructions.
- The printer won't operate properly if it's tilted or at an angle. Place it on a flat, stable surface.

Your printer makes noise when you turn it on or after it has been sitting for awhile.

Your printer is performing routine maintenance.

Printing is too slow.

Make sure your system meets the recommended requirements listed on page 103. You may also need to:

- Clear space on your hard drive or run a defragmentation utility.
- Close open programs that you're not using.
- Increase your system's memory (RAM).

For the fastest printing:

- Select Draft (Windows) or set the Quality/Speed slider to Speed (Macintosh).
- Turn High Speed on and turn Finest Detail or Super MicroWeave off, if available.
- If your printer is connected to a USB hub, disconnect any unused USB devices. Use a Hi-Speed USB 2.0 cable connected to a Hi-Speed USB 2.0 port or card.

Quality Problems

You see banding (light lines).

- Clean the print head; see page 77 for instructions.
- Select a higher print quality and turn off High Speed mode; see page 23 (Windows) or page 31 (Macintosh).
- Select the correct Type or Media Type setting for your paper; see page 34.
- Make sure the printable side of the paper is face up; it's usually whiter or shinier.
- The ink cartridges may need replacing; see page 80.
- Align the print head as described on page 85.

Your print is blurry or smeared.

- Make sure your paper isn't damp, curled, or loaded face down (load new paper face up).
- Use a support sheet with special paper, or try loading your paper one sheet at a time.
- Make sure your paper meets the specifications listed in the on-screen *Reference Guide*.
- Use Epson papers for proper saturation and absorption of Epson inks. If you use a paper not listed as a Type or Media Type setting in your printer software, you may see smears, roller marks, misting, or other problems in your printouts.
- Align the print head as described on page 85.
- Select the Thick paper and envelopes checkbox in your printer software. Access the setting from the printer settings window as follows:

  Windows: Click Maintenance and select Printer and Option Information.
  Mac OS X: Select Extension Setting from the pull-down menu.
  Mac OS 8.6 to 9.x: Click Custom, then click Advanced.

Your printout is faint or has gaps.

- Clean the print head; see page 77 for instructions.
- The ink cartridges may be old or low on ink; see page 80.
- Select the correct Type (Windows) or Media Type (Macintosh); see page 34.
- Make sure your paper isn't damaged, old, dirty, or loaded face down. For best results, use genuine Epson paper.

  Caution: Don't open Epson Status Monitor, pause printing, or respond to any on-screen, low ink messages when your printer is in the middle of a print job. This may cause your printer to pause and leave an uneven surface on your printout. If your ink is running low, wait until printing finishes before checking ink levels or attempting to replace a cartridge. If you must replace an ink cartridge in the middle of a print job, the quality of your printout may decline. For best results, check your ink levels and replace ink cartridges, if necessary, before printing large or high-resolution print jobs.

Your printout is grainy.

- Use a higher quality paper or select a higher print quality (for Windows, see page 23; for Macintosh, see page 31).
- Align the print head as described on page 85.
- Increase the image resolution or print it in a smaller size; see your software documentation.
- Make sure you're not printing a PostScript® file.

You see wrong or missing colors.

- Make sure Color ink is selected (Macintosh), even when printing black and white photographs.
- Clean the print head; see page 77 for instructions.
- The ink cartridges may be old or low on ink; see page 80.

- Try turning off PhotoEnhance. Also check if you're using a special effect that alters image colors, like Sepia.
- Change the Gamma setting. See page 23 (Windows) or page 31 (Macintosh).
- Your printed colors can never exactly match your on-screen colors. However, you can use a color management system to get as close as possible. See the Photoshop color management instructions on page 48. If your photos have a green or pink color cast after using color management, see the solutions on page 56.

Paper Problems

Paper doesn't eject fully or is wrinkled.

- If the paper doesn't eject fully, you may have set the wrong paper size. Press the paper button to eject the paper, then select the correct paper size.
- If it's wrinkled when it ejects, the paper may be damp or too thin. Load new paper.

Paper sheets don't feed correctly.

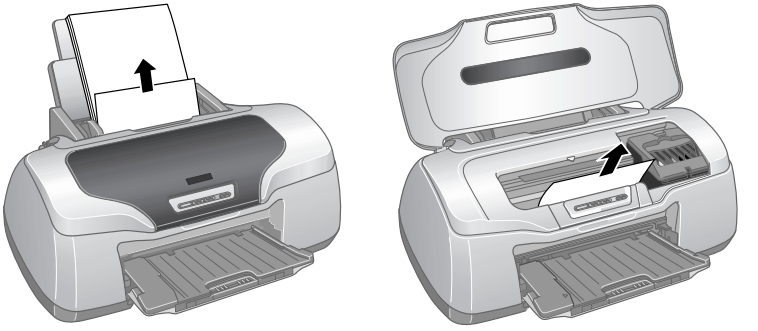
If paper doesn't feed or multiple pages feed, remove it from the sheet feeder. Fan the edges of the sheets, reload them against the right side of the feeder, and slide the left edge guide against the paper, but not too tightly. Don't load paper above the arrow on the left edge guide.

Paper sheets jam in the printer.

Press the paper button to eject the jammed paper. If that doesn't work, try the following:

1. Turn off the printer.
2. Remove any jammed paper from the printer's output tray.
3. Push in the output tray extensions and place the output tray in the upper position. (See page 63 for instructions.)

4. Remove any jammed paper from the sheet feeder or open the printer cover and remove any paper jammed inside.



5. Place the output tray in the lower position (see page 62) and print again.

Roll paper doesn't feed correctly or jams in the printer.

- Cut the end of the paper straight across. If it's cut diagonally, the paper won't feed smoothly.
- If the roll paper end is curled, place the end inside a folded sheet of paper and roll it backwards against the curl.
- Make sure the paper is loaded in the roll paper feeder, not the sheet feeder; see page 16.
- As you load the paper, gently hold it in the roll paper feeder and wait for it to load; don't force the paper in.
- Select Roll as the Source (Windows), Roll Paper as the Paper Source (Mac 8.6 to 9.x), or any Roll Paper option for the Stylus Photo R800 as the Format for and Printer option (Mac OS X). Other settings will feed too much paper.
- If extra paper feeds, press the roll paper button for three seconds to rewind the paper all the way (repeat if necessary). If the paper light is on, press the paper button. Reload the paper as described on page 16.

CD/DVD Problems

You can't insert the CD/DVD tray easily.

Don't force the CD/DVD tray into the printer. Make sure your printer is turned on, the output tray is in the upper position, and you follow all the insertion steps beginning on page 63.

The CD/DVD tray ejects when you start a CD/DVD print job.

Follow the steps on page 63 to reinsert the CD/DVD tray. Make sure you press the paper button to load the tray before sending your print job again.

The CD/DVD tray doesn't eject after printing.

Gently pull out the tray and press the paper button to turn off the paper light.

Your design is not positioned correctly on the CD or DVD.

You need to adjust the print position in Epson Print CD; see page 70.

Miscellaneous Problems

The image is inverted, as if viewed in a mirror.

Turn off Mirror Image in the printer software or the mirror setting in your program. See page 23 (Windows) or page 31 (Macintosh) for instructions.

The printer prints blank pages.

- Make sure your printer is selected in the Print window, or in the Macintosh Chooser or Print Center.
- Clean the print head; see page 77 for instructions.

You see incorrect characters.

- Make sure the interface cable is securely connected at both ends and meets the system requirements on page 103.
- Make sure your printer is selected in the Print window, or in the Macintosh Print Center or Chooser.
- If you're using a switch box or USB hub with your printer, connect the printer directly to your computer instead.

The margins are incorrect.

- Make sure the paper settings are correct for your paper size. See page 20 (Windows), page 25 (Macintosh OS X), or page 29 (Macintosh OS 8.6 to 9.x).
- Choose the correct margins for your paper size. The margins must be within the printable area of the page; see "Printer Specifications" in your on-screen *Reference Guide*.
- Place your paper against the right side of the feeder with the left edge guide snug against it.
- Make sure the Borderless setting is set correctly for your margins; see page 35 for roll paper or page 43 for cut sheets.

Too many copies printed.

Make sure that the Copies option in your printer software or program is not set for multiple copies.

Image size/position is incorrect.

Make sure the paper and layout options are set correctly.

Uninstalling and Reinstalling Printer Software

You may need to uninstall and then reinstall your printer driver and utilities if, for example, you upgrade your Windows operating system. You don't need to uninstall your other photo software or the Epson *Reference Guide*.

Windows

1. Click Start, and select Programs or All Programs.
2. Point to Epson or EPSON Printers, then select EPSON Printer Software Uninstall.
3. In the next window, select EPSON Stylus Photo R800 and click OK. Then follow the on-screen instructions.
4. Restart your computer, then see the *Start Here* sheet to reinstall your software.

Macintosh OS X

1. Open the Applications folder, then the Utilities folder.
2. Select Print Center, select all the Stylus Photo R800 options, and click the Delete button.
3. Restart your Macintosh, then see the *Start Here* sheet to reinstall your software.

Macintosh OS 8.6 to 9.x

1. Insert your printer software CD-ROM.
2. Double-click the EPSON CD-ROM icon, then double-click the EPSON Installer icon in the folder that opens. The Install Menu appears.
3. Click Install Printer Driver. On the Installer screen, click the arrow in the Easy Install list at the top and select Uninstall. Then click the Uninstall button at the bottom and follow the instructions.
4. Restart your Macintosh, then see the *Start Here* sheet to reinstall your software.

Where To Get Help

If you need help with your printer, Film Factory, Epson Print CD, or the P.I.M. II Plug-in for Adobe Photoshop, see the information below.

Epson provides technical assistance 24 hours a day through the electronic support services and automated telephone services listed below:

Service	Access
World Wide Web	From the Internet, you can reach Epson Support at **http://support.epson.com**. At this site, you can download drivers and other files, look at product documentation, access troubleshooting information, and receive technical advice through e-mail.
Automated Telephone Services	A variety of automated help services are available 24 hours a day, seven days a week. To use these services, you must have a touch tone telephone and call **(800) 922-8911**. Your Epson SoundAdvice℠ Express Code is **70515**. Use this code to quickly select the EPSON Stylus Photo R800 in SoundAdvice.

To speak to a technical support representative, dial:

- U.S.: **(562) 276-7296**, 6 AM to 8 PM, Pacific Time, Monday through Friday and 7 AM to 4 PM, Saturday.
- Canada: **(905) 709-2567**, 6 AM to 6 PM, Pacific Time, Monday through Friday.

Toll or long distance charges may apply.

Please have the following information ready:

- Product name (EPSON Stylus Photo R800)
- Product serial number (located on the back of the printer and on its box)
- Proof of purchase (such as a store receipt) and date of purchase
- Computer configuration and operating system version
- Description of the problem

You can purchase ink cartridges, paper, manuals, and accessories from the Epson Store at (800) 873-7766 or visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Requirements and Notices

Windows System Requirements

To use your printer and its software, we recommend that your system has:

- Microsoft Windows compatible PC with a Pentium® III 500 MHz or higher processor
- 128MB (Windows 98SE or Me) or 256MB (Windows 2000 or XP) or more of RAM
- 200MB or more of free hard disk space recommended
- VGA or better display adapter and monitor
- CD-ROM or DVD-ROM drive for installing the printer software
- USB connection: a Windows-compliant USB 1.1 port (Windows 98SE, Me, 2000, or XP) or Hi-Speed USB 2.0 port (recommended; Windows 2000 or XP only) and a shielded USB "AB" cable

  IEEE-1394 connection: an OHCI-compliant IEEE-1394 port (Windows Me, 2000, or XP) and an IEEE-1394 cable

Macintosh System Requirements

To use your printer and its software, we recommend that your system has:

- An Apple® iMac™ series or Power Macintosh® G3 (400 MHz or higher) or G4 (733 MHz or higher)
- Mac OS 8.6 through 9.2.x, OS X 10.1.3 or later
- 256MB or more of available RAM recommended
- 200MB or more of free hard disk space recommended
- VGA display or better
- CD-ROM or DVD-ROM drive for installing the printer software
- USB connection: a shielded USB "AB" cable (Hi-Speed USB 2.0 recommended)

  FireWire connection: an OHCI-compliant FireWire port and a FireWire cable

Important Safety Instructions

Before using your printer, read these safety instructions to make sure you use it safely and effectively:

- Be sure to follow all warnings and instructions marked on the printer.
- Use only the type of power source indicated on the printer's label.
- Connect all equipment to properly grounded power outlets. Avoid using outlets on the same circuit as photocopiers or air control systems that regularly switch on and off.
- Place the printer near a wall outlet where the plug can be easily unplugged.
  Placez l'imprimante près d'une prise de courant où la fiche peut être débranchée facilement.
- Do not let the power cord become damaged or frayed.
- If you use an extension cord with the printer, make sure the total ampere rating of the devices plugged into the extension cord does not exceed the cord's ampere rating. Also, make sure the total ampere rating of all devices plugged into the wall outlet does not exceed the outlet's ampere rating.
- Keep your printer and computer system away from potential sources of electromagnetic interference, such as loudspeakers or cordless telephone base units.
- Avoid locations that are subject to rapid changes in heat or humidity, shocks or vibrations, or dust.
- Leave enough room around the printer for sufficient ventilation, leaving at least 3.9 inches between the back of the printer and the wall.
- Do not place the printer near a radiator or heating vent or in direct sunlight.
- Place the printer on a flat, stable surface that extends beyond the printer base in all directions. The printer will not operate properly if it is tilted or at an angle.
- When transporting or storing the printer, don't tilt it, stand it on its side, or turn it upside-down. This may allow ink to leak from the ink cartridges.
- Turn off and unplug the printer before cleaning. Clean with a damp cloth only. Do not spill liquid on the printer.

  Caution: Always turn the printer off using the ⏻ power button. Don't switch off the power strip or unplug the printer until the green ⏻ power light is off.

- Do not block or cover the openings in the printer's case or insert objects through the slots.
- Except as specifically explained in this manual, do not attempt to service the printer yourself.
- Unplug the printer and refer servicing to qualified service personnel under the following conditions:

  If the power cord or plug is damaged; if liquid has entered the printer; if the printer has been dropped or the case damaged; if the printer does not operate normally or exhibits a distinct change in performance. Adjust only those controls that are covered by the operating instructions.

Ink Cartridge Safety Instructions

- Keep ink cartridges out of the reach of children.
- Be careful when you handle used ink cartridges; there may be ink remaining around the ink supply port. If ink gets on your skin, wash it off with soap and water. If it gets in your eyes, flush them immediately with water.
- Do not put your hand inside the printer or touch a cartridge during printing.
- Do not move the print head by hand. You may damage the printer.
- Install the ink cartridge immediately after you remove it from its package. Leaving the cartridge unpacked for a long time before use can result in reduced print quality.
- Do not use an ink cartridge beyond the date printed on the cartridge carton. For best results, use up the ink cartridges within six months of first installing them.
- Store ink cartridges in a cool, dark place.
- Store ink cartridges with the bottom of the packaging facing down.
- After bringing an ink cartridge inside from a cold storage site, allow it to warm up at room temperature for at least three hours before using it.
- Shake an ink cartridge 4 or 5 times before removing it from its package.
- Do not shake an ink cartridge after removing it from its package; this can cause leakage.
- Do not remove or tear the label on an ink cartridge; this can cause leakage.
- Do not dismantle the ink cartridges or try to refill them. This could damage the print head.
- Do not touch the green IC chip on the front of the cartridge. This may affect normal operation and printing.
- If you remove an ink cartridge for later use, protect the ink supply area from dirt and dust and store it in the same environment as the printer. Note that there is a valve in the ink supply port, making covers or plugs unnecessary, but care is needed to prevent the ink from staining items that the cartridge touches. Do not touch the ink cartridge ink supply port or surrounding area.

ENERGY STAR Compliance

As an ENERGY STAR Partner, Epson has determined that this product meets the ENERGY STAR guidelines for energy efficiency. The EPA ENERGY STAR office equipment program is a voluntary partnership with the computer and office equipment industry to promote the introduction of energy-efficient personal computers, monitors, printers, fax machines, and copiers in an effort to reduce air pollution caused by power generation.

FCC Compliance Statement

For United States Users

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: The connection of a non-shielded equipment interface cable to this equipment will invalidate the FCC Certification of this device and may cause interference levels which exceed the limits established by the FCC for this equipment. It is the responsibility of the user to obtain and use a shielded equipment interface cable with this device. If this equipment has more than one interface connector, do not leave cables connected to unused interfaces. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

For Canadian Users

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Declaration of Conformity

According to 47CFR, Part 2 and 15 for Class B Personal Computers and Peripherals; and/or CPU Boards and Power Supplies used with Class B Personal Computers:

We: EPSON AMERICA, INC.

Located at: MS: 3-13
3840 Kilroy Airport Way
Long Beach, CA 90806
Telephone: (562) 290-5254

Declare under sole responsibility that the product identified herein, complies with 47CFR Part 2 and 15 of the FCC rules as a Class B digital device. Each product marketed is identical to the representative unit tested and found to be compliant with the standards. Records maintained continue to reflect the equipment being produced can be expected to be within the variation accepted, due to quantity production and testing on a statistical basis as required by 47CFR §2.909. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trade Name: Epson

Type of Product: Ink Jet Printer

Model: B311A

Epson America, Inc. Limited Warranty

What Is Covered: Epson America, Inc. ("Epson") warrants to the original retail purchaser that the Epson printer covered by this limited warranty statement, if purchased new and used in the United States or Canada, conforms to the manufacturer's specifications and will be free from defects in workmanship and materials for a period of one (1) year from the date of original purchase. Epson also warrants that the consumable ink cartridges enclosed with the printer will perform to the manufacturer's specified usage, which usage may expire before the expiration of the limited warranty for the Epson printer. For warranty service, you must provide proof of the date of original purchase.

What Epson Will Do To Correct Problems: Should your Epson printer prove defective during the warranty period, please call the Epson Connection[SM] at (562) 276-7296 (U.S.) or (905) 709-2567 (Canada) for warranty repair instructions and return authorization. An Epson service technician will provide telephone diagnostic service to determine whether the printer requires service. If service is needed, Epson will, at its option, exchange or repair the printer without charge for parts or labor. If Epson authorizes an exchange for the defective unit, Epson will ship a replacement printer to you, freight prepaid, so long as you use an address in Canada or the U.S. (excluding Puerto Rico and U.S. Possessions). Shipments to other locations will be made freight collect. You are responsible for securely

packaging the defective unit and returning it to Epson within five (5) working days of receipt of the replacement. Epson requires a debit or a credit card number to secure the cost of the replacement printer in the event that you fail to return the defective one. If your printer is being repaired, Epson will direct you to send your printer to Epson or its authorized service center, where the printer will be fixed and sent back to you. You are responsible for packing the printer and for all costs to and from the Epson authorized service center. When warranty service involves the exchange of the printer or a part, the item replaced becomes Epson property. The replacement printer or part may be new or refurbished to the Epson standard of quality, and, at Epson's option, may be another model of like kind and quality. Epson's liability for replacement of the covered printer will not exceed the original retail selling price of the covered printer. Exchange products and parts assume the remaining warranty period of your original product covered by this limited warranty.

What This Warranty Does Not Cover: This warranty does not apply to refurbished or reconditioned products. This warranty covers only normal use in the United States and Canada. This warranty is not transferable. This warranty does not cover any color change or fading of prints or reimbursement of materials or services required for reprinting. This warranty does not cover damage to the Epson product caused by parts or supplies not manufactured, distributed or certified by Epson. This warranty does not cover ribbons, ink cartridges or third party parts, components, or peripheral devices added to the Epson product after its shipment from Epson, e.g., dealer or user-added boards or components. Epson is not responsible for warranty service should the Epson label or logo or the rating label or serial number be removed or should the product fail to be properly maintained or fail to function properly as a result of misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood, and lightning, improper electrical current, software problems, interaction with non-Epson products, or service other than by an Epson Authorized Servicer. If a claimed defect cannot be identified or reproduced, you will be held responsible for the costs incurred.

THE WARRANTY AND REMEDY PROVIDED ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR PURPOSE. SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES. IF THESE LAWS APPLY, THEN ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED TO THE WARRANTY PERIOD IDENTIFIED ABOVE. UNLESS STATED HEREIN, ANY STATEMENT OR REPRESENTATIONS MADE BY ANY OTHER PERSON OR FIRM ARE VOID. EXCEPT AS PROVIDED IN THIS WRITTEN WARRANTY, NEITHER EPSON AMERICA, INC. NOR ITS AFFILIATES SHALL BE LIABLE FOR ANY LOSS, INCONVENIENCE, OR DAMAGE, INCLUDING DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR INABILITY TO USE THE EPSON PRODUCT, WHETHER RESULTING FROM BREACH OF WARRANTY OR ANY OTHER LEGAL THEORY.

In Canada, warranties include both warranties and conditions.

Some jurisdictions do not allow limitations on how long an implied warranty lasts, and some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from jurisdiction to jurisdiction.

Epson America, Inc. ■ P. O. Box 93012 ■ Long Beach, CA 90809-3012

Index

A

Adobe Photoshop
  managing color with, 48 to 60
  P.I.M. plug-in for, 9, 42 to 43
Advanced settings
  Macintosh, 31 to 33
  Windows, 23 to 24
Aligning print head, 85 to 87
Automatic
  print head aligning, 85 to 86
  print head cleaning, 78
Automatic mode, Macintosh, 30

B

Background printing, 28, 30
Banding, 95
Basic printing
  Macintosh OS 8.6 to 9.x, 29 to 31
  Macintosh OS X, 25 to 28
  Windows, 20 to 22
Best Photo setting, 21, 44
Blank pages, 99
Blurry images, 95
Borderless setting, 21, 27, 37, 39, 40, 43 to 47
Bright White Paper, 14, 34
Browser, 11
Buttons, 12, 91 to 92

C

Cable, printer, 103
Cancelling printing
  Macintosh OS 9.x, 31
  Macintosh OS X, 28
  Windows, 22
CDs and DVDs
  adjusting print density, 74 to 76
  adjusting print position, 70 to 73
  designing, 65 to 66
  inserting in printer, 63 to 64
  ordering, 61
  printing on, 61 to 69
  problems with, 99
Characters, incorrect, 100
Checking printer, 92
Chooser, Macintosh, 93, 100
Cleaning
  print head, 77 to 80
  printer, 87
  roller, 62
Color management
  menu, OS X, 27
  problems, 56
  settings, 23 to 24, 27, 33, 48 to 60
  with color profiles, 48 to 60
Color problems, 56, 96
ColorSync, 33
Control panel, 12, 90 to 92
Controlling printing
  Macintosh OS 9.x, 31
  Macintosh OS X, 28
  Windows, 22
Custom profiles, 56 to 60
Custom settings
  Macintosh, 31 to 33
  Windows, 23 to 24

D

Declaration of Conformity, 107
Default settings, Windows, 22
Documentation, 10 to 11
Draft setting, 21, 94

E

Edge Smoothing setting
  color management, 51, 55, 58, 59
  Macintosh, 32
  Windows, 23
Electronic manual, 10 to 11
Energy Star compliance, 105
Enhanced Matte Paper, 14, 34
Envelopes, 15, 21, 27, 29, 34, 95
Epson
  Film Factory, 9, 42
  help, 102
  MonitorIV, 31
  papers, 14, 34, 43
  PhotoCenter, 9
  Print CD, 65 to 76
  SoundAdvice, 102
  Store, 82
  warranty, 107 to 108
Exif Print
  description, 9
  printing with, 42 to 43
Expansion setting, 27, 44, 46, 47
Extension setting, 27, 95

F

Faint images, 96
FCC Compliance Statement, 106
Features, 7
Film Factory, 9, 42
Flip Horizontal setting, 99

G

Gamma setting, 97
Gloss Optimizer
  cartridge, 7, 81
  setting, Macintosh, 32
Gloss setting, Windows, 21
Grainy prints, 96

H

Head Cleaning utility, 79 to 80
Help
  Epson, 102
  see also Troubleshooting
High Speed setting, 94 to 95

I

ICM (Image Color Matching) setting, 24, 55, 60
Incorrect
  characters, 100
  colors, 56, 96
  margins, 100
Ink cartridge
  level of ink in, 22, 30, 81
  ordering, 81 to 82
  problems, solving, 91, 93
  replacing, 80 to 85
  safety instructions, 82, 105
Ink level, checking
  Macintosh, 30, 81
  Windows, 22, 81
Installation problems, 93
Inverted image, 99

J

Jams, paper, 91, 97 to 98

L

Layout problems, 100
Layout settings
  Macintosh OS 9.x, 30
  Macintosh OS X, 27
  Windows, 24
Letterhead, 14
Lights, 12, 91 to 92
Luster Photo Paper, 14, 34, 36, 38, 40

M

Macintosh
  basic printing, OS 8.6 to 9.x, 29 to 31
  basic printing, OS X, 25 to 28
  Chooser, 93, 100
  custom printing, 31 to 33
  system requirements, 103
  uninstalling software, 101
Maintaining printer, 77 to 87
Margins, incorrect, 100
Matte Black ink cartridge, 7, 81
Matte paper, 14, 34, 43
Media Type setting
  envelopes, 15
  selecting correct, 34
  selecting, Macintosh, 26, 30, 38, 40, 46
MicroWeave setting, 23, 94
Mirror images, 99
Monitoring ink level
  Macintosh, 30, 81
  Windows, 22, 81
MonitorIV, 31
Moving printer, 88

N

Network printing, 93
Noise, printer, 94
Nozzle Check, 78 to 80

O

Orientation setting, 15, 21, 25, 29

P

P.I.M., *see* PRINT Image Matching
Page Setup, Macintosh, 25, 29
Paper
  Epson, 14, 34, 43
  feeding problems, 97 to 98
  jams, 91, 97 to 98
  loading in sheet feeder, 13 to 14
  loading special, 14
  roll, *see* Roll paper
Paper Size setting, 15, 25, 29, 39
Paper Source setting, 25, 29, 40
Photo Black ink cartridge, 7, 81
Photo RPM setting, 23, 32
Photo setting, 21, 44
Photo software, 9
PhotoCenter, Epson, 9
PhotoEnhance, 21, 30, 33, 97
Premium Bright White Paper, 14, 34
Premium Glossy Photo Paper, 14, 34, 36, 38, 40, 43 to 47
Premium Luster Photo Paper, 14, 34, 36, 38, 40
Premium Semigloss Photo Paper, 14, 34, 36, 38, 40
Preprinted paper, 14
Previewing printout, 30
Print CD software, Epson, 65 to 76
Print Center, Macintosh OS X, 28, 93
Print dialog box, Windows, 20, 22
Print head
  aligning, 85 to 87
  cleaning, 77 to 80
Print Head Alignment utility, 85 to 87
PRINT Image Matching
  description, 8 to 9
  plug-in for Photoshop, 9, 42 to 43
  using with Film Factory, 42

Print position check disc, 70 to 73
Print Quality
  problems, 95 to 96
  setting, 32, 58
Print Settings menu, Macintosh OS X, 26
Printer
  cable, 103
  check, 92
  cleaning, 87
  control panel, 90 to 92
  maintaining, 77 to 87
  noise, 94
  parts, 90
  problems, 91 to 92, 94
  transporting, 88
Printing
  advanced, 23 to 24, 31 to 33
  CDs and DVDs, 61 to 76
  controlling, 22, 28, 31
  Macintosh, basic OS 8.6 to 9.x, 29 to 31
  Macintosh, basic OS X, 25 to 28
  Windows, basic, 20 to 22
  with custom settings, 23 to 24, 31 to 33
Problems
  CD/DVD, 99
  diagnosing, 91 to 92
  installing software, 93
  miscellaneous, 99 to 100
  paper feeding, 97 to 98
  print quality, 95 to 96
  printer, 94
  solving, 89 to 102
  uninstalling software, 101
Progress Meter, 22

Q

Quality Option setting, 21, 44, 55, 59
Quality/Speed setting, 26, 30, 39, 40, 46, 47, 94

R

Reference Guide, 10 to 11
Reinstalling software, 101
Roll paper
  button, 17, 41
  controlling printing, 41
  holder, 16 to 17, 41
  loading, 16 to 17, 35
  options, 37, 39, 40
  printing on, 35 to 39
  problems, solving, 91, 98
  removing, 41
  storing, 41

S

Safety instructions, 104 to 105
Semigloss Photo Paper, 14, 34, 36, 38, 40
Service, 102
Sheet feeder
  loading envelopes in, 15
  loading paper in, 13 to 14
  problems, solving, 91, 97 to 98
Size setting, 15, 21, 36
Slow printing, 94
Smeared printout, 15, 27, 32, 95
Software
  installation problems, solving, 93
  photo, 9
  Print CD, 65 to 76
  reinstalling, 101
  summary, 9
  uninstalling, 101
SoundAdvice, 102
Source setting, 21, 36, 44
Super MicroWeave setting, 23, 94
Support, 102
System requirements, 103

T

Technical support, 102
Testing printer, 92
Text & Image setting, 21
Text setting, 21
Thick paper setting, 15, 27, 32, 95
Transporting printer, 88
Troubleshooting, 89 to 102
Type setting
  envelopes, 15
  selecting correct, 34
  selecting, Windows, 21, 36

U

Uninstalling software, 101
USB, 93, 100, 103
Utilities
  Auto Nozzle Check and Cleaning, 78
  Head Cleaning, 79 to 80
  Nozzle Check, 78 to 80
  Print Head Alignment, 85 to 87

W

Warranty, 107 to 108
Watermark, 24, 30
Windows
  advanced printing, 23 to 24
  basic printing, 20 to 22
  default settings, 22
  system requirements, 103
  uninstalling software, 101

Epson Ink Jet Papers and Ink Cartridges

Use Epson® paper and inks to get the same photo quality results that have earned Epson's printers all of their awards! Epson papers are specially coated to work with EPSON UltraChrome™ inks. Here are details about just a few of Epson's papers and your printer's ink cartridges:

Premium Glossy Photo Paper

Water-resistant paper with a high gloss finish that looks and feels just like a traditional photo. Perfect for all photographic applications and available in a variety of popular photo sizes, such as 4 × 6, 5 × 7, 8 × 10, and letter, and in rolls. Framing is recommended for this paper type.

Premium Luster Photo Paper

This instant drying RC photo paper produces vivid, lifelike images that rival those of traditional silver halide prints. Its semigloss "E" surface and 10 mil thickness provide a true photographic look and feel.

Enhanced Matte Paper

Enhanced Matte Paper is the perfect choice for photographers requiring a heavyweight photo paper without a gloss finish. Results are highly saturated images, which maintain excellent highlight and shadow detail.

Epson Ink Cartridges

For best results, always use genuine Epson ink cartridges.

See the inside back cover for a list of cartridges available for your printer.

See the inside back cover for a list of Epson papers and ink cartridges, and ordering information.

How To Order Epson Ink and Paper

To order Epson ink cartridges, paper, and other accessories, contact your dealer or call the Epson Store at (800) 873-7766 or visit www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

Epson Ink Cartridges

Ink cartridge	Part number	Ink cartridge	Part number
Yellow	T054420	Photo Black	T054120
Magenta	T054320	Red	T054720
Cyan	T054220	Blue	T054920
Matte Black	T054820	Gloss Optimizer (2-pack)	T054020

Epson Papers

Paper name*	Size	Part number
Epson Premium Glossy Photo Paper	Letter (8.5 x 11 inches)	S041286/S041667
	4 x 6 inches, Borderless	S041727
	5 x 7 inches, Borderless	S041464
	8 x 10 inches, Borderless	S041465
	4 inches x 26 ft roll paper	S041302
	8.3 inches x 32.8 ft roll paper	S041376
Epson Premium Semigloss Photo Paper	Letter (8.5 x 11 inches)	S041331
	4 inches x 26 ft roll paper	S041329
Epson Premium Luster Photo Paper	Letter (8.5 x 11 inches)	S041405
	8.3 inches x 32.8 ft roll paper	S041408
Epson Enhanced Matte Paper	Letter (8.5 x 11 inches)	S041341
Epson Matte Paper Heavyweight	Letter (8.5 x 11 inches)	S041257
	8 x 10 inches, Borderless	S041467
Epson Photo Quality Ink Jet Paper	Letter (8.5 x 11 inches)	S041062
	Legal (8.5 x 14 inches)	S041067
	A4 (8.3 x 11.7 inches)	S041061
Epson Photo Quality Ink Jet Cards	A6 (4.1 x 5.8 inches)	S041054
Epson Premium Bright White Paper	Letter (8.5 x 11 inches)	S041586
Epson Photo Quality Self Adhesive Sheets	A4 (8.3 x 11.7 inches)	S041106
PremierArt Matte Scrapbook Photo Paper for Epson	Letter (8.5 x 11 inches)	SCR1002

* Available paper types vary by location. See page 34 to select the Type or Media Type setting. If you load paper not listed as a setting in your printer software, you may see smears, roller marks, misting, or other problems.